

TIVAR 1000 U.V.Stabilized

Black, UV Stabilized UHMW-PE (Quadrant)

Water Absorption Max 0.01 % Max 0.01 % Max 0.01 % Immersion; 24hr; ASTM D570(2) Water Absorption at Saturation Max 0.01 % Max 0.01 % Immersion; ASTM D570(2) Mechanical Properties Hardness, Shore D 66 66 ASTM D224 Tensile Strength, Ultimate 40 MPa 5800 psi ASTM D63 Tensile Modulus 0.8 GPa 116 ksi ASTM D63 Flexural Yield Strength 26.2 MPa 3800 psi ASTM D79 Compressive Modulus 0.8 GPa 116 ksi ASTM D79 Compressive Modulus 0.899 GPa 100 ksi ASTM D79 Compressive Modulus 0.899 GPa 100 ksi ASTM D79 Compressive Modulus 0.689 GPa 100 ksi ASTM D79 Shear Strength 33.1 MPa 4800 psi ASTM D73 Coefficient of Friction 0.12	Physical Properties	Metric	English	Comments
Water Absorption at Saturation Max 0.01 % Max 0.01 % Immersion; ASTM D570(2) Mechanical Properties Hardness, Shore D 66 66 ASTM D224 Tensile Strength, Ultimate 40 MPa 5800 psi ASTM D63 Elongation at Break 300 % 300 % ASTM D63 Flexural Modulus 0.8 GPa 116 ksi ASTM D63 Flexural Vield Strength 26.2 MPa 3800 psi ASTM D79 Compressive Strength 22.8 MPa 3300 psi ASTM D63 Shear Strength 33.1 MPa 4800 psi ASTM D69 Shear Strength 33.1 MPa 4800 psi ASTM D79 Coefficient of Friction 0.12 0.12 Dry vs. Steel; QTM5500 Coefficient of Friction 0.0701 MPa-m/sec 2000 psi-ft/min 4:1 safety factor; QTM 5500 Electrical Properties Max 1e+014 ohm Max 1e+014 ohm ASTM D25 Thermal Properties CTE, linear 68°F 360 µm/m·°C 200 µin/in·°F (-40°F to 300°F); ASTM E83 Melting Point 3.5 °C Crystalli	Specific Gravity	0.94 g/cc	0.034 lb/in ³	ASTM D792
Mechanical Properties Hardness, Shore D 66 66 ASTM D224 Tensile Strength, Ultimate 40 MPa 5800 psi ASTM D63 Elongation at Break 300 % 300 % ASTM D63 Tensile Modulus 0.8 GPa 116 ksi ASTM D63 Flexural Modulus 0.8 GPa 116 ksi ASTM D63 Flexural Hodulus 1.6 ksi ASTM D63 Flexural Yield Strength 26.2 MPa 3800 psi ASTM D79 Flexural Yield Strength 22.8 MPa 3300 psi 10% Def., 73°F; ASTM D69 Compressive Modulus 0.689 GPa 100 ksi ASTM D69 Shear Strength 33.1 MPa 4800 psi ASTM D79 Coefficient of Friction 0.12 0.12 Dry vs. Steel; QTMS500 Limiting Pressure Velocity 0.0701 MPa-m/sec 2000 psi-ft/min 4:1 safety factor; QTM 5500 Izod Impact, Notched NB NB ASTM D25 Thermal Properties Surface Resistivity per Square Max 1e+014 ohm Max 1e+014 ohm ASTM D25 Thermal Properties CTE, linear 68°F 360 μm/m-°C 200 μin/in-°F (-40°F to 300°F); ASTM E83 Melting Point 135 °C 275°F Crystalline, Peak; ASTM D341 Maximum Service Temperature, Air 82.2 °C 180°F Long Tem Defilection Temperature at 1.6 MPa (264 psi) 46.7 °C 116°F ASTM D64 Flammability, UL94 (Estimated Rating) HB HB 1/8 inc Qualitative Processing Properties Compliance - FDA Not Compliant Machinability 3 1-10, 1=Easier to Machinability 3 1-10, 1=Easier to Machinability 3 1-10, 1=Easier to Machinability 3 3 1-10, 1=Easier to Machinability 3 1-10, 1=Easier to Machinability 3 1-10, 1=Easier to Machinability 3 1-10, 1=Easier to Machinability 3 3 1-10, 1=Easier to Mach	Water Absorption	Max 0.01 %	Max 0.01 %	Immersion, 24hr; ASTM D570(2)
Hardness, Shore D 66 66 ASTM D224 Tensile Strength, Ultimate 40 MPa 5800 psi ASTM D625 Elongation at Break 300 % 300 % ASTM D63 Tensile Modulus 0.8 GPa 116 ksi ASTM D63 Flexural Modulus 0.8 GPa 116 ksi ASTM D63 Flexural Yield Strength 26.2 MPa 3800 psi ASTM D79 Flexural Yield Strength 26.2 MPa 3800 psi ASTM D79 Compressive Strength 22.8 MPa 3800 psi 10% Def., 73°F; ASTM D63 Flexural Yield Strength 22.8 MPa 3800 psi 10% Def., 73°F; ASTM D69 Compressive Modulus 0.889 GPa 100 ksi ASTM D79 Compressive Modulus 0.899 GPa 100 ksi ASTM D69 Shear Strength 33.1 MPa 4800 psi ASTM D69 Coefficient of Friction 0.12 0.12 Dry vs. Steel; QTMS500 Limiting Pressure Velocity 0.0701 MPa-m/sec 2000 psi-ft/min 4:1 safety factor; QTM 5500 Izod Impact, Notched NB NB ASTM D256 Type Electrical Properties Surface Resistivity per Square Max 1e+014 ohm Max 1e+014 ohm ASTM D256 Thermal Properties CTE, linear 68°F 360 μm/m °C 200 μin/in °F (-40°F to 300°F); ASTM E83 Melting Point 135 °C 275 °F Crystalline, Peak; ASTM D341 Maximum Service Temperature, Air 82.2 °C 180 °F Crystalline, Peak; ASTM D341 Maximum Service Temperature at 1.8 MPa (264 psi) 135 °C 275 °F Crystalline, Peak; ASTM D341 Maximum Service Temperature at 1.8 MPa (264 psi) HB HB HB 1/8 inc Qualitative Processing Properties Compliance - FDA Not Compliant Maximability 3 1-10, 1=Easier to Machin Service in Alcohols Acceptable Service in Alcohols Acceptable Service in Aromatic Hydrocarbons Unacceptable Service in Alcohols Acceptable Service in Chlorinated Solvents Acceptable Service in Strong Acids Limited Service in Strong Acids Acceptable	Water Absorption at Saturation	Max 0.01 %	Max 0.01 %	Immersion; ASTM D570(2)
Tensile Strength, Ultimate	Mechanical Properties			
Elongation at Break 300 % 300 % ASTM D63 Tensile Modulus 0.8 GPa 116 ksi	Hardness, Shore D	66	66	ASTM D2240
Tensile Modulus 0.8 GPa 116 ksi ASTM D63 Flexural Modulus 0.8 GPa 116 ksi ASTM D79 Flexural Yield Strength 22.8 MPa 3800 psi ASTM D79 Compressive Strength 22.8 MPa 3800 psi 10% Def., 73°F; ASTM D69 Compressive Modulus 0.689 GPa 100 ksi ASTM D79 Shear Strength 33.1 MPa 4800 psi ASTM D79 Shear Strength 33.1 MPa 4800 psi ASTM D79 Coefficient of Friction 0.12 0.12 Dry vs. Steel; QTM5500 Limiting Pressure Velocity 0.0701 MPa-m/sec 2000 psi-ft/min 4:1 safety factor; QTM 5500 Izod Impact, Notched NB NB ASTM D256 Type Electrical Properties Surface Resistivity per Square Max 1e+014 ohm Max 1e+014 ohm ASTM D25 Thermal Properties CTE, linear 68°F 360 µm/m-°C 200 µin/in-°F (-40°F to 300°F); ASTM E83 Melting Point 135 °C 275 °F Crystalline, Peak; ASTM 0341 Maximum Service Temperature, Air 82.2 °C 180 °F Long Ten Deflection Temperature at 1.8 MPa (264 psi) 46.7 °C 116 °F ASTM D64 Flammability, UL94 (Estimated Rating) HB HB 1/8 inc Qualitative Processing Properties Compliance - FDA Not Compliant Machinability 3 1-10, 1=Easier to Machin Service in Alichols Acceptable Service in Alichols Acceptable Service in Informated Solvents Acceptable Service in Febra Limited Service in Ethers Limited Service in Strong Alkalies Acceptable	Tensile Strength, Ultimate	40 MPa	5800 psi	ASTM D638
Flexural Modulus 0.8 GPa 116 ksi ASTM D79 Flexural Yield Strength 26.2 MPa 3800 psi ASTM D79 Compressive Strength 22.8 MPa 3300 psi 10% Def., 73°F; ASTM D69 Compressive Modulus 0.689 GPa 100 ksi ASTM D79 Coefficient of Friction 0.12 0.12 Dry vs. Steel; QTM5500 Limiting Pressure Velocity 0.0701 MPa-m/sec 2000 psi-ft/min 4:1 safety factor; QTM 5500 Izod Impact, Notched NB NB ASTM D256 Type Electrical Properties Surface Resistivity per Square Max 1e+014 ohm Max 1e+014 ohm ASTM D25 Thermal Properties TEE, linear 68°F 360 μm/m·°C 200 μin/in·°F (-40°F to 300°F); ASTM E83 Maximum Service Temperature, Air 82.2 °C 180 °F Crystalline, Peak; ASTM D341 Maximum Service Temperature at 1.8 MPa (264 psi) 46.7 °C 116 °F ASTM D64 Flammability, UL94 (Estimated Rating) HB HB 1/8 inc Qualitative Processing Properties Compliance - FDA Not Compliant Machinability 3 1-10, 1=Easier to Machinability 3 1-10, 1=Easier to Machinability Acceptable Service in Alcohols Acceptable Service in Florinated Solvents Acceptable Service in Florinated Solvents Limited Service in Strong Alcids Limited Service in Strong Alkalies Acceptable Service in S	Elongation at Break	300 %	300 %	ASTM D638
Service in Strong Action 26.2 MPa 3800 psi ASTM D79	Tensile Modulus	0.8 GPa	116 ksi	ASTM D638
Compressive Strength 22.8 MPa 3300 psi 10% Def., 73°F; ASTM D69 Compressive Modulus 0.689 GPa 100 ksi ASTM D69 Shear Strength 33.1 MPa 4800 psi ASTM D73 Coefficient of Friction 0.12 0.12 Dry vs. Steel; QTM5500 Limiticing Pressure Velocity 0.0701 MPa-m/sec 2000 psi-ft/min 4:1 safety factor; QTM 5500 Izod Impact, Notched NB NB ASTM D256 Type Electrical Properties Surface Resistivity per Square Max 1e+014 ohm Max 1e+014 ohm ASTM D256 Type Thermal Properties CTE, linear 68°F 360 µm/m~°C 200 µin/in-°F (-40°F to 300°F); ASTM E83 Melting Point 135 °C 275 °F Crystalline, Peak; ASTM D341 Maximum Service Temperature Air 82.2 °C 180 °F ASTM D64 Flammability, UL94 (Estimated Rating) HB HB 1/8 inc Qualitative Processing Properties Compliance - FDA Not Compliant Acceptable Service in Alcohols <	Flexural Modulus	0.8 GPa	116 ksi	ASTM D790
Compressive Modulus 0.689 GPa 100 ksi ASTM D69 Shear Strength 33.1 MPa 4800 psi ASTM D73 Coefficient of Friction 0.12 0.12 Dry vs. Steel; QTM5500 Limiting Pressure Velocity 0.0701 MPa-m/sec 2000 psi-ft/min 4:1 safety factor; QTM 5500 Izod Impact, Notched NB NB NB ASTM D256 Type Electrical Properties Surface Resistivity per Square Max 1e+014 ohm Max 1e+014 ohm ASTM D25 Thermal Properties CTE, linear 68°F 360 µm/m-°C 200 µin/in-°F (-40°F to 300°F); ASTM E83 Melting Point 135 °C 275 °F Crystalline, Peak; ASTM D341 Maximum Service Temperature, Air 82.2 °C 180 °F Crystalline, Peak; ASTM D341 Maximum Service Temperature at 1.8 MPa (264 psi) 46.7 °C 116 °F ASTM D64 Flammability, UL94 (Estimated Rating) HB HB HB 1/8 inc Qualitative Processing Properties Compliance - FDA Not Compliant Machinability 3 1-10, 1=Easier to Machin Service in Alcohols Acceptable Service in Alcohols Acceptable Service in Chlorinated Solvents Acceptable Service in Chlorinated Solvents Acceptable Service in Strong Acids Limited Service in Strong Acids Limited Service in Strong Alkalies Acceptable	Flexural Yield Strength	26.2 MPa	3800 psi	ASTM D790
Shear Strength 33.1 MPa 4800 psi ASTM D73 Coefficient of Friction 0.12 0.12 Dry vs. Steel; QTM5500 Limiting Pressure Velocity 0.0701 MPa-m/sec 2000 psi-ft/min 4:1 safety factor; QTM 5500 Izod Impact, Notched NB NB ASTM D256 Type Electrical Properties Surface Resistivity per Square Max 1e+014 ohm Max 1e+014 ohm ASTM D25 Thermal Properties CTE, linear 68°F 360 µm/m-°C 200 µin/in-°F (-40°F to 300°F); ASTM E83 Melting Point 135 °C 275 °F Crystalline, Peak; ASTM D341 Maximum Service Temperature, Air 82.2 °C 180 °F Crystalline, Peak; ASTM D341 Maximum Service Temperature at 1.8 MPa (264 psi) 46.7 °C 116 °F ASTM D64 Flammability, UL94 (Estimated Rating) HB HB HB 1/8 inc Qualitative Processing Properties Compliance - FDA Not Compliant Machinability 3 1-10, 1=Easier to Machinability 3 1-10, 1=Easier to Machinability 3 1-10, 1=Easier to Machinability Acceptable Service in Aliphatic Hydrocarbons Unacceptable Service in Aliphatic Hydrocarbons Unacceptable Service in Chlorinated Solvents Acceptable Service in Ketones Limited Service in Strong Acids Limited Service in Strong Alkalies Acceptable Service in Strong Alkalies Acceptable Service in Strong Alkalies Acceptable Service in Sunlight Acceptable Service in Weak Acids Acceptable	Compressive Strength	22.8 MPa	3300 psi	10% Def., 73°F; ASTM D695
Coefficient of Friction O.12 O.15	Compressive Modulus	0.689 GPa	100 ksi	ASTM D695
Limiting Pressure Velocity Izod Impact, Notched NB NB NB NB ASTM D256 Type Service in Alcohols Service in Ethers Service in Strong Alkalies Acceptable Acceptable Service in Strong Alkalies Acceptable Accept	Shear Strength	33.1 MPa	4800 psi	ASTM D732
Izod Impact, Notched NB NB NB ASTM D256 Type Electrical Properties	Coefficient of Friction	0.12	0.12	Dry vs. Steel; QTM55007
Surface Resistivity per Square Max 1e+014 ohm Max 1e+014 ohm ASTM D25 Thermal Properties CTE, linear 68°F 360 µm/m-°C 200 µin/in-°F (-40°F to 300°F); ASTM E83 Melting Point 135 °C 275 °F Crystalline, Peak; ASTM D341 Maximum Service Temperature, Air 82.2 °C 180 °F Long Ten Deflection Temperature at 1.8 MPa (264 psi) 46.7 °C 116 °F ASTM D64 Flammability, UL94 (Estimated Rating) HB HB HB 1/8 inc Qualitative Processing Properties Compliance - FDA Not Compliant Machinability 3 1-10, 1=Easier to Machin Service in Alcohols Acceptable Service in Aromatic Hydrocarbons Unacceptable Service in Chlorinated Solvents Acceptable Service in Ethers Limited Service in Strong Acids Limited Service in Strong Acids Limited Service in Strong Alkalies Acceptable Service in Sunlight Acceptable Service in Weak Acids Acceptable Service in Weak Acids	Limiting Pressure Velocity	0.0701 MPa-m/sec	2000 psi-ft/min	4:1 safety factor; QTM 55007
Surface Resistivity per Square Max 1e+014 ohm Max 1e+014 ohm ASTM D25 Thermal Properties CTE, linear 68°F Melting Point 135°C 275°F Crystalline, Peak; ASTM D341 Maximum Service Temperature, Air B2.2°C 180°F Long Ten Deflection Temperature at 1.8 MPa (264 psi) HB HB 1/8 inc Qualitative Processing Properties Compliance - FDA Machinability 3 1-10, 1=Easier to Machin Service in Alcohols Service in Alcohols Service in Alonated Solvents Acceptable Service in Chlorinated Solvents Service in Ethers Limited Service in Strong Acids Limited Service in Strong Acids Limited Service in Strong Alkalies Acceptable Service in Sunlight Acceptable Service in Weak Acids Acceptable	Izod Impact, Notched	NB	NB	ASTM D256 Type A
Thermal Properties CTE, linear 68°F 360 µm/m-°C 200 µin/in-°F (-40°F to 300°F); ASTM E83 Melting Point 135 °C 275 °F Crystalline, Peak; ASTM D341 Maximum Service Temperature, Air 82.2 °C 180 °F ASTM D64 Flammability, UL94 (Estimated Rating) HB HB 1/8 inc Qualitative Processing Properties Compliance - FDA Not Compliant Machinability 3 1-10, 1=Easier to Machin Service in Alcohols Acceptable Service in Aromatic Hydrocarbons Acceptable Service in Ethers Limited Service in Strong Acids Limited Service in Strong Alkalies Acceptable Service in Sunlight Acceptable Service in Weak Acids Acceptable	Electrical Properties			
CTE, linear 68°F Melting Point 135 °C 275 °F Crystalline, Peak; ASTM D341 Maximum Service Temperature, Air Deflection Temperature at 1.8 MPa (264 psi) Flammability, UL94 (Estimated Rating) Most Compliant Machinability Machinability Service in Alcohols Service in Alomatic Hydrocarbons Service in Almatic Hydrocarbons Service in Chlorinated Solvents Service in Strong Acids Service in Strong Acids Service in Strong Alkalies Service in Sunlight Acceptable Service in Sunlight Acceptable Service in Strong Alkalies Acceptable Service in Sunlight Acceptable Service in Strong Alkalies Acceptable Service in Sunlight Acceptable Service in Weak Acids	Surface Resistivity per Square	Max 1e+014 ohm	Max 1e+014 ohm	ASTM D257
Melting Point 135 °C 275 °F Crystalline, Peak; ASTM D341 Maximum Service Temperature, Air 82.2 °C 180 °F Long Ten Deflection Temperature at 1.8 MPa (264 psi) 46.7 °C 116 °F ASTM D64 Flammability, UL94 (Estimated Rating) HB HB 1/8 inc Qualitative Processing Properties Compliance - FDA Not Compliant Machinability 3 1-10, 1=Easier to Machin Service in Alcohols Acceptable Service in Aromatic Hydrocarbons Vinacceptable Service in Chlorinated Solvents Service in Ethers Limited Service in Strong Acids Limited Service in Strong Alkalies Acceptable Service in Strong Alkalies Acceptable Service in Weak Acids Acceptable Service in Weak Acids Acceptable Service in Weak Acids	Thermal Properties			
Melting Point 135 °C 275 °F Crystalline, Peak; ASTM D341 Maximum Service Temperature, Air 82.2 °C 180 °F Long Ten Deflection Temperature at 1.8 MPa (264 psi) 46.7 °C 116 °F ASTM D64 Flammability, UL94 (Estimated Rating) HB HB 1/8 inc Qualitative Processing Properties Compliance - FDA Not Compliant Machinability 3 1-10, 1=Easier to Machin Service in Alcohols Acceptable Service in Aromatic Hydrocarbons Vinacceptable Service in Chlorinated Solvents Service in Ethers Limited Service in Strong Acids Limited Service in Strong Alkalies Acceptable Service in Strong Alkalies Acceptable Service in Weak Acids Acceptable Service in Weak Acids Acceptable Service in Weak Acids	CTE, linear 68°F	360 µm/m-°C	200 µin/in-°F	(-40°F to 300°F); ASTM E831
Deflection Temperature at 1.8 MPa (264 psi) Flammability, UL94 (Estimated Rating) ABOUTH STATE OF THE PROPERTY OF THE PROPER	Melting Point	135 °C	275 °F	Crystalline, Peak; ASTM D3418
Deflection Temperature at 1.8 MPa (264 psi) Flammability, UL94 (Estimated Rating) ABB HB HB 1/8 inc Qualitative Processing Properties Compliance - FDA Not Compliant Machinability 3 1-10, 1=Easier to Machin Service in Alcohols Acceptable Service in Aliphatic Hydrocarbons Acceptable Service in Aromatic Hydrocarbons Unacceptable Service in Chlorinated Solvents Acceptable Service in Ethers Limited Service in Ketones Limited Service in Strong Acids Limited Service in Strong Alkalies Acceptable Service in Sunlight Acceptable Service in Weak Acids Acceptable	Maximum Service Temperature, Air	82.2 °C	180 °F	Long Term
Flammability, UL94 (Estimated Rating) Rualitative Processing Properties Compliance - FDA Not Compliant Machinability 3 1-10, 1=Easier to Machin Service in Alcohols Acceptable Service in Aliphatic Hydrocarbons Service in Aromatic Hydrocarbons Unacceptable Service in Chlorinated Solvents Acceptable Service in Ethers Limited Service in Ketones Limited Service in Strong Acids Limited Service in Strong Alkalies Acceptable Service in Sunlight Acceptable Service in Sunlight Acceptable Service in Weak Acids Acceptable	Deflection Temperature at 1.8 MPa (264 psi)	46.7 °C	116 °F	ASTM D648
Compliance - FDA Machinability 3 1-10, 1=Easier to Machin Service in Alcohols Acceptable Service in Aliphatic Hydrocarbons Service in Aromatic Hydrocarbons Unacceptable Service in Chlorinated Solvents Acceptable Service in Ethers Limited Service in Ketones Limited Service in Strong Acids Limited Service in Strong Alkalies Acceptable Service in Strong Alkalies Acceptable Service in Sunlight Acceptable Service in Weak Acids Acceptable	Flammability, UL94 (Estimated Rating)	НВ	НВ	1/8 inch
Machinability 3 1-10, 1=Easier to Machin Service in Alcohols Acceptable Service in Aliphatic Hydrocarbons Acceptable Service in Aromatic Hydrocarbons Unacceptable Service in Chlorinated Solvents Acceptable Service in Ethers Limited Service in Ketones Limited Service in Strong Acids Limited Service in Strong Alkalies Acceptable Service in Sunlight Acceptable Service in Weak Acids Acceptable	Qualitative Processing Properties			
Service in Alcohols Service in Aliphatic Hydrocarbons Acceptable Service in Aromatic Hydrocarbons Unacceptable Service in Chlorinated Solvents Acceptable Service in Ethers Limited Service in Ketones Limited Service in Strong Acids Limited Service in Strong Alkalies Acceptable Service in Sunlight Acceptable Service in Weak Acids Acceptable	Compliance - FDA	Not Compliant		
Service in Aliphatic Hydrocarbons Service in Aromatic Hydrocarbons Service in Chlorinated Solvents Service in Ethers Limited Service in Ketones Limited Service in Strong Acids Limited Service in Strong Alkalies Acceptable Service in Sunlight Acceptable Service in Weak Acids Acceptable	Machinability	3		1-10, 1=Easier to Machine
Service in Aromatic Hydrocarbons Service in Chlorinated Solvents Service in Ethers Limited Service in Ketones Limited Service in Strong Acids Limited Service in Strong Alkalies Acceptable Service in Sunlight Acceptable Service in Weak Acids Acceptable	Service in Alcohols	Acceptable		
Service in Chlorinated Solvents Service in Ethers Limited Service in Ketones Limited Service in Strong Acids Limited Service in Strong Alkalies Acceptable Service in Sunlight Acceptable Service in Weak Acids Acceptable	Service in Aliphatic Hydrocarbons	Acceptable		
Service in Ethers Limited Service in Ketones Limited Service in Strong Acids Limited Service in Strong Alkalies Acceptable Service in Sunlight Acceptable Service in Weak Acids Acceptable	Service in Aromatic Hydrocarbons	Unacceptable		
Service in Ketones Limited Service in Strong Acids Limited Service in Strong Alkalies Acceptable Service in Sunlight Acceptable Service in Weak Acids Acceptable	Service in Chlorinated Solvents	Acceptable		
Service in Strong Acids Service in Strong Alkalies Acceptable Service in Sunlight Acceptable Service in Weak Acids Acceptable	Service in Ethers	Limited		
Service in Strong Alkalies Acceptable Service in Sunlight Acceptable Service in Weak Acids Acceptable	Service in Ketones	Limited		
Service in Sunlight Acceptable Service in Weak Acids Acceptable	Service in Strong Acids	Limited		
Service in Weak Acids Acceptable	Service in Strong Alkalies	Acceptable		
	Service in Sunlight	Acceptable		
Service in Weak Alkalies Acceptable	Service in Weak Acids	Acceptable		
	Service in Weak Alkalies	Acceptable		

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