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KING PIPEGRADE®

King PipeGrade® is PE4710 - PE 100 is a special black polyethylene material for the pipe industry. It is available in sheets, slabs and massive shapes.

Physical Properties	ASTM Test	Value	Units
Density	D1505	0.961	g/cc
Tensile Strength @ Yield	D638	3,360	psi
Tensile Strength @ Break	D638	>5,500	psi
Elongation @ Break	D638	600	%
Flexural Modulus 2% secant	D790	150,000	psi
Notched Izod Impact	D256	9.2	ft.lbs./in.2
Brittleness Temperature	D746	-118°C (180°F)	°C (°F)
Vicat Softening Temp.	D1525	126°C (259°F)	°C (°F)
Environmental Stress Crack Resist.	D1693C	>5,000	hrs.
Notch Tensile (PENT)	F1473	>10,000	hrs.

All values are determined on specimens prepared according to ASTM Standards.

Nominal values should be interpreted as specifications.

King PipeGrade® complies with the Plastic Pipe Institute PE4710 classification.

King PipeGrade® meets ASTM D3350 cell class 4455774C.

King PipeGrade® is FDA and NSF approved for Standard 14 and complies with ANSI/NSF Standard 61 for health effect requirements.