



Alro Plastics

"Your Source for Engineering Plastics"



WEARGEHR Acetal FG

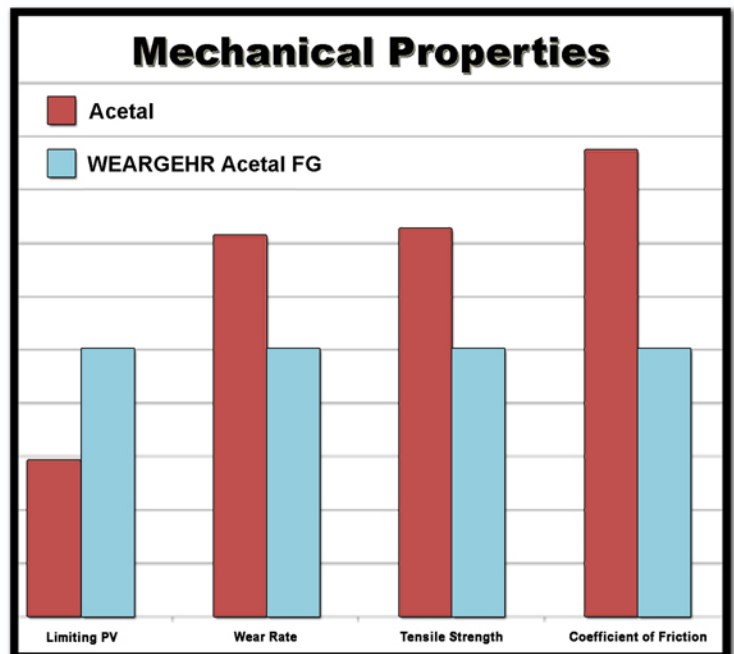
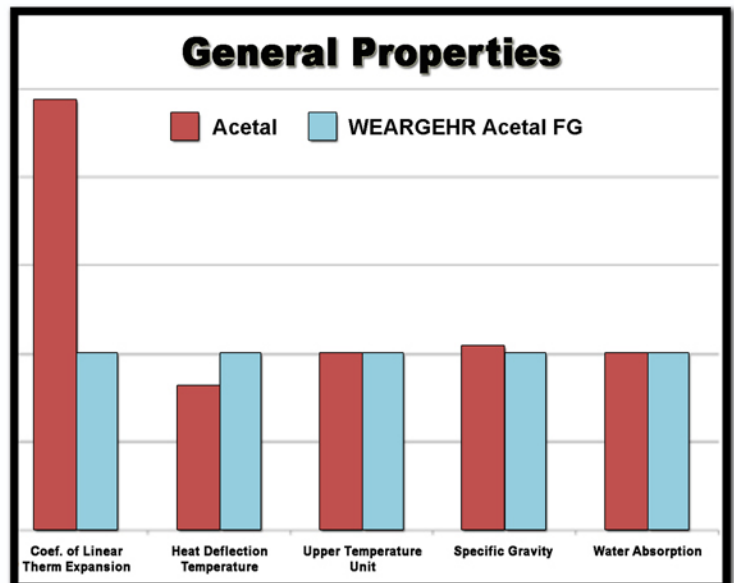
WEARGEHR Acetal FG is a wear resistant grade of GEHR Acetal copolymer. WEARGEHR Acetal FG contains a solid filler for enhanced impact, friction and wear properties. WEARGEHR Acetal FG (Food Grade) is also FDA compliant and does not contain any PTFE in it. This material is an alternative to the well known Delrin AF material, with additional FDA compliance.

WEARGEHR Overview

- Superior wear resistance over standard Acetal
- Low coefficient of friction
- Dimensionally stable bearing material
- Stiffness with load bearing properties
- Food Grade, FDA compliant

WEARGEHR Applications

- Mixing paddles for processing equipment
- Wear strips for food conveying equipment
- Starwheels for bottling equipment
- Timing screws for conveyor and packaging equipment
- Drive sprockets and idler wheels for conveying equipment
- Rollers on food processing equipment
- Pistons and valves on dairy food liquid filling equipment
- Linear sleeve bearings and flanged bearings for conveyors, processing and packaging equipment



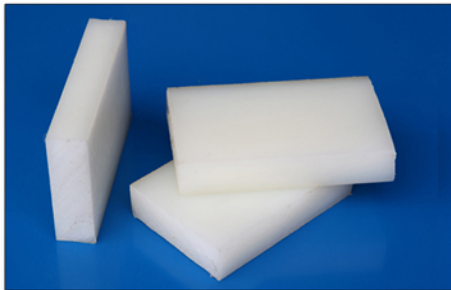
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WEARGEHR Acetal FG - Typical Properties

- Specific gravity per ASTM D792-08 Method A = 1.34 g/cm³
- Coefficient of Linear Thermal Expansion (aprox.) = 6.50×10^{-5} in/in/°F
- Moisture absorption (24 hours) per ASTM D 570-98 = 0.10%
- Kinetic Coefficient of Friction per ASTM D 3702-94 = 0.14
- Wear Factor "K" per ASTM D 3702-94 = 1.5E-08
- Tensile Strength = 43 MPa per ISO 527
- Modulus of Elasticity = 2,200 MPa per ISO 527
- PV rating per ASTM D3702-94 = 7,125 (with a 4 to 1 safety ratio)
- Upper temperature limit = +100°C
- Lower temperature limit = -40°C
- Heat Deflection Temperature (HDT) = +120°C per ISO 75
- Flammability = UL94 HB

WEARGEHR Acetal FG - Product Availability

- Rod / Round stock - 3/4" Dia. up to 4" Dia.
- Sheet / Flat stock - 3/8" Thk. up to 2" Thk.
- Both are produced in Metric sizes
- Non-stock item, run on an as needed basis only



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ISO 9001:2008
CERTIFIED

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