



DELTRIN® AF

PolyOxy-Methylene (PTFE FILLED)



PRODUCT CAPABILITIES:

- Rod : 1/4" - 6"
- Sheet : 1/4" - 3"

ADVANTAGES:

- PTFE (Teflon®) Fibers Filled
- Excellent Wear Properties Both Wet And Dry Environment
- Low Friction
- Low Moisture Absorption
- Good Chemical Resistance
- Good Dimensional Stable
- High Strength And Stiffness
- Easy To Machine

PRODUCT COLORS:

- Black
- Brown

APPLICATIONS INCLUDE:

- Bearings, Rollers, Bushings
- Guides, Sleeves, Thrust Washers
- Valve Seats, Gears, Liners
- Wear Surfaces, Seals, Insulators
- Cams, Cam Followers

GENERAL PROPERTIES	ASTM or UL Test	DELTRIN® AF Typical Values
PHYSICAL		
Specific Gravity (g/cm ³)	D792	1.5
Water Absorption, 24 hrs (%)	D570	0.2
MECHANICAL		
Tensile Strength (psi)	D638	8,000
Tensile Modulus (psi)	D638	445,000
Tensile Elongation at Break (%)	D638	15
Flexural Strength (psi)	D790	12,000
Flexural Modulus (psi)	D790	435,000
IZOD Notched Impact (ft-lb/in)	D256	0.7
IZOD Un-Notched Impact (ft-lb/in)	D256	-
Hardness, Rockwell	D785	M85 / R115
THERMAL		
Coeff. of Thermal Expansion (x 10 ⁻⁵ in./in./°F)	D696	5
Heat Deflection Temp (°F / °C) @ 264 psi	D648	244 / 118
Thermal Conductivity (BTU-in/ft ² -hr-°F)	C177	-
Flammability Rating	UL94	HB
ELECTRICAL		
Coefficient of Friction, Dynamic	-	0.15
Coefficient of Friction, Static	-	0.07
Limiting PV (psi/fpm)	QTM 5507	8,300
Wear Factor K, (10 ⁻¹⁰ in ³ min/ft lb hr)	QTM 55010	60

NOTE: The information contained here in is typical values intended for reference only. They should NOT be used as a basis for design specifications or quality control.