

## DATA SHEET

### DRYSLIDE

Ultra High Molecular Weight Polyethylene With Solid Internal Lubricant

PROPERTY	UNITS	VALUE
<b>MECHANICAL</b>		
Specific Gravity	-	0.93
Tensile Strength	psi	2,770
Tensile Modulus	psi	118,000
Elongation (at break)	%	200
Flexural Strength	psi	2,400
Flexural Modulus	psi	106,000
Compressive Strength	psi	--
Hardness, Shore D	-	68
Coefficient of Friction (Dry vs. Steel)	-	.08
Limiting PV (with 4:1 safety factor)	psi x fpm	1,900
<b>THERMAL</b>		
Coefficient of Linear Thermal Expansion	in/in/F	$7.80 \times 10^{-5}$
Heat Deflection Temperature (264 psi)	F	118
Glass Transition Temperature	F	115
Continuous Service Temperature	F	180
Thermal Conductivity	BTU/in/hr.ft.F	2.92
<b>ELECTRICAL</b>		
Dielectric Strength	volts/mil	525
Volume Resistivity	ohm-cm	$10^5 - 10^9$
<b>OTHER</b>		
Water Absorption, Immersion, 24 hrs.	% by wt.	.01
Water Absorption, Immersion, Saturation	% by wt.	.01

#### **ENGINEERING NOTES:**

- \* Excellent abrasion resistance (SSI - 10)
- \* Chemically inert
- \* Very low slip/stick