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**DUPONT**

## PRODUCT CAPABILITIES:

STOCK SHAPES  
· Sheet : 2" x 4" x 38"

## ADVANTAGES:

- Superior Structural & Mechanical Strength
- Excellent Dimensional Stability
- Good Electrical Properties
- Easy Machinability
- Extremely Low Outgassing
- Excellent Material Durability And Wear Resistance
- High Resistance To Heat
- Low Moisture Absorption

## PRODUCT COLORS:

- Black

## APPLICATIONS INCLUDE:

- Seals
- Valve Seats
- Test Sockets
- Lift Pin Components

GENERAL PROPERTIES	ASTM or UL Test	SCP-50094 Typical Values
<b>PHYSICAL</b>		
Density (g/cm <sup>3</sup> )	D792	1.50
Water Absorption, Immersion, 24 hr (%)	D570	0.06
<b>MECHANICAL</b>		
Tensile Strength (kpsi)	D638	18.0
Young's Modulus (kpsi)	D638	600
Tensile Elongation (%)	D638	4.3
Flexural Strength (kpsi)	D790	29
Flexural Modulus (kpsi)	D790	923
Compressive Strength (kpsi)	D695	56
Compressive Strain, Ultimate (kpsi)	D695	41
Compressive Stress at 10% Strain (kpsi)	D695	31.9
Deformation Under Load after 24 hrs @ 2.5 kpsi (%)	D621	0.05
Hardness, Rockwell, Scale E	D785	91
<b>THERMAL</b>		
Coeff. of Thermal Expansion @50-150°C (m/m.°C)	E831	42.7 x 10 <sup>-6</sup>
Thermal Conductivity (W/m-K)		
at 50°C	F433	0.59
at 100°C	F433	0.66
at 300°C	F433	0.58
Specific Heat, at 60°C (J/kg. °C)	E1269	9.2 x 10 <sup>5</sup>
<b>WEAR PROPERTIES</b>		
Coefficient of Friction, Unlubricated, Air @ 3.5 PV, (Velocity 2.0 m/s), (Pressure 1.7MPa)	Falex	0.07
Wear Factor, Unlubricated, Air (mm-sec/MPa-m-hr) @ 3.5 PV, (Velocity 2.0 m/s), (Pressure 1.7MPa)	Falex	0.8 x 10 <sup>-3</sup>

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.