



# TECHNICAL DATA SHEET



Data Sheet #	TD-005	Revision	5	Date	11-Aug-04
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**Product:** Nylon  
**Code:** ND

**Material Description** Nylon 6 co-polymer

### Performance Enhancers

Flame Retardant No  
 UV Inhibitor No  
 Heat Stabilizer No

\* Note: Most black products have a natural resistance to UV exposure due to the carbon black in the product

### Performance Characteristics

Flexibility Good  
 Abrasion Resistance Excellent  
 Chemical Resistance Good  
 Recommended Operating Temperature Limits Upper +300°F  
 Lower -40°F

### Typical Physical Properties

Property	Test Method	Value	Units
Specific Gravity/Density	ISO 1183-A	1.06	-
Elongation	@ Break	-	-
	@ Yield	-	-
Tensile Strength	ASTM D638	35.2	MPa
2% Secant Modulus	-	-	-
Flexural Modulus	ASTM D790	1.9	GPa
Melting Point	ISO 3146-C	218	°C
Notched Izod Impact Test	ASTM D256	67.4	KJ/m2
Heat Deflection Temperature	@ 264 psi	-	-
	@ 66 psi	-	-

### Material Certifications

Packard -  
 Ford WSS-M4D933-A1  
 General Motors -  
 Chrysler -  
 ASTM D4066 PA283  
 Underwriters Laboratory -