

TECHNICAL DATA SHEET

Data Sheet #	TD-005	Revision	7	Date	7-Dec-05
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Product:	Nylon
Code:	ND

Material Description	Nylon 6 co-polymer
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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	1.09	-
Elongation @ Break	-	-	-
Elongation @ Yield	-	-	-
Tensile Strength	ASTM D638	40	MPa
2% Secant Modulus	-	-	-
Flexural Modulus	ASTM D790	1.08	GPa
Melting Point	ISO 3146-C	220	°C
Notched Izod Impact Test	ASTM D256	210	J/m2
Heat Deflection Temperature @ 264 psi	-	-	-
Heat Deflection Temperature @ 66 psi	-	-	-

Material Certifications

Packard	-
Ford	-
General Motors	-
Chrysler	-
ASTM	-
Underwriters Laboratory	-