



TECHNICAL DATA SHEET



Data Sheet #	TD-010	Revision	7	Date	3-Mar-04
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Product:

Flame Retardant Polypropylene

Code:

FP

Material Description

Flame retardant polypropylene rated as V2 according to UL-94

Performance Enhancers

Flame Retardant

Yes

UV Inhibitor

No

Heat Stabilizer

Yes

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

Performance Characteristics

Flexibility

Excellent

Abrasion Resistance

Good

Chemical Resistance

Good

Recommended Operating

Upper

+275°F

Temperature Limits

Lower

-40°F

Typical Physical Properties

Property

Test Method

Value

Units

Specific Gravity/Density

ASTM D792

1.05

-

Elongation

@ Break

ASTM D638

980

%

@ Yield

-

-

-

Tensile Strength

ASTM D638

16.5

MPa

2% Secant Modulus

-

-

-

Flexural Modulus

ASTM D790

372

MPa

Melting Point

-

-

-

Notched Izod Impact Test

ASTM D256

12.9

ft lb/in

Heat Deflection

@ 264 psi

-

-

-

Temperature

@ 66 psi

-

-

-

Material Certifications

Packard

-

Ford

-

General Motors

-

Chrysler

-

ASTM

-

Underwriters Laboratory

UL-94 V2 @ 0.8 mm