

Data Sheet #	TD-019	Revision	1	Date	10-Nov-06
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Product:	Flame Retardant Polyethylene
Code:	VE

Material Description	Flame retardant polyethylene rated as V2 according to UL-94
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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 Temperature Limits	Upper: +200°F Lower: -40°F

Typical Physical Properties

Property	Test Method	Value	Units
Specific Gravity/Density	ASTM D792	1.005	-
Elongation	@ Break	ASTM D638	945 %
	@ Yield	ASTM D638	167 %
Tensile Strength	ASTM D638	14.99619	MPa
2% Secant Modulus	-	-	-
Flexural Modulus	ASTM D790	240	MPa
Melting Point	ASTM D3418	115	°C
Notched Izod Impact Test	ASTM D256	10	ft lb/in
Heat Deflection Temperature	@ 264 psi	ASTM D648	40 °C
	@ 66 psi	ASTM D648	50 °C

Material Certifications

Packard	-
Ford	-
General Motors	-
Chrysler	-
ASTM	-
Underwriters Laboratory	UL-94 V2 @ 1.5 mm