

DuPont Nucrel® 925 Ethylene-Methacrylic Acid Copolymer Resin

Category : Polymer , Thermoplastic , Ethylene Methyl Acrylate

Material Notes:

Nucrel® 925 is a tough, lightweight, easily processed ethylene copolymer resin. This resin is inherently flexible without the need for plasticizers. The resin can be pigmented, UV-stabilized for exterior applications and painted or plated for special decorative effects.

Nucrel® 925 has excellent tensile strength and low temperature impact properties. Typical Applications: Footwear Powder coating Wire and cable Metal coating Injection molding Features: Good adhesion to metal and polar substrates Good mold flow to reduce molding cycle time Can be cryogenically ground into a powder Low specific gravity-lightweight Information provided by DuPont.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Nucrel-925-Ethylene-Methacrylic-Acid-Copolymer-Resin.php

Physical Properties	Metric	English	Comments
Density	0.940 g/cc	0.0340 lb/in ³	ASTM D792
Melt Index of Compound	25 g/10 min	25 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	50	50	Initial (peak) hardness; ASTM D2240
Tensile Strength at Break	25.0 MPa	3630 psi	Type IV specimen, compression molded, crosshead speed 2 in/min; ASTM D638
Elongation at Break	520 %	520 %	Type IV specimen, compression molded, crosshead speed 2 in/min; ASTM D638
Flexural Modulus	0.0740 GPa	10.7 ksi	ASTM D790
Izod Impact, Notched	NB	NB	ASTM D256
Tensile Impact Strength	755 kJ/m ²	359 ft-lb/in ²	At 23°C; ASTM D1822S
	275 kJ/m ² @Temperature -40.0 °C	131 ft-lb/in ² @Temperature -40.0 °F	ASTM D1822S

Thermal Properties	Metric	English	Comments
Melting Point	74.0 - 92.0 °C	165 - 198 °F	ASTM D3418(DSC)
Vicat Softening Point	67.0 °C	153 °F	ASTM D1525

Processing Properties	Metric	English	Comments
-----------------------	--------	---------	----------

Zone 1 Processing Properties	160 °C Metric	320 °F English	Comments
Zone 2	182 °C	360 °F	
Zone 3	193 °C	379 °F	
Zone 4	204 °C	399 °F	
Zone 5	204 °C	399 °F	
Die Temperature	204 °C	400 °F	
Melt Temperature	149 - 232 °C	300 - 450 °F	

Descriptive Properties	Value	Comments
Methacrylic Acid Content	15 wt. %	DuPont Method

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China