

DuPont Nucrel® 2806 Ethylene-Acrylic Acid Copolymer Resin (discontinued **)

Category : Polymer , Thermoplastic , Ethylene Acrylic Acid

Material Notes:

Nucrel® 2806 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. Typical Applications: Heat sealable coatingBase resin for color concentratesMetal coatingDispersionsPaper coatingNonwoven bindingFeatures: Good adhesion to metal, glass, cellulosic and other polar substratesMay be processed into aqueous amines and alkali based dispersionsInformation provided by DuPont.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Nucrel-2806-Ethylene-Acrylic-Acid-Copolymer-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.944 g/cc	0.0341 lb/in³	ASTM D792
Melt Index of Compound	60 g/10 min @Load 2.16 kg, Temperature 190 °C	60 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	42	42	Initial (peak) hardness; ASTM D2240
Tensile Strength at Break	22.6 MPa	3280 psi	Type IV specimen, compression molded, crosshead speed 2 in/min; ASTM D638
Elongation at Break	464 %	464 %	Type IV specimen, compression molded, crosshead speed 2 in/min; ASTM D638
Flexural Modulus	0.0386 GPa	5.60 ksi	ASTM D790
Izod Impact, Notched	NB	NB	ASTM D256
Tensile Impact Strength	372 kJ/m²	177 ft-lb/in²	At 23°C; ASTM D1822S
	25.0 kJ/m² @Temperature -40.0 °C	11.9 ft-lb/in² @Temperature -40.0 °F	ASTM D1822S

Thermal Properties	Metric	English	Comments
Vicat Softening Point	48.0 °C	118 °F	Rate B; ASTM D1525

Processing Properties	Metric	English	Comments
Zone 1	160 °C	320 °F	

Zone 2 Processing Properties	182 °C Metric	360 °F English	Comments
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
Acrylic Acid Content	18 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