

Diamond Polymers Centrex® 835 Sheet Extrusion Grade

Category : Polymer , Thermoplastic , ASA Polymer

Material Notes:

Centrex 835 resin is a low-gloss grade of ASA (acrylonitrile-styrene-acrylate) with good resistance to weather aging. It has good melt strength for extrusion and thermoforming applications. Centrex 835 can be easily coextruded over ABS (acrylonitrile-butadiene-styrene) resin. Applications: Typical applications for Centrex 835 resin includes those requiring weatherability and low gloss, such as truck and bus interiors and exteriors and tonneau covers. As with any product, use of Centrex 835 resin in a given application must be tested (including but not limited to field testing) in advance by the user to determine suitability. Information Provided by Diamond Polymers, Inc. & Network Polymers, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Diamond-Polymers-Centrex-835-Sheet-Extrusion-Grade.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.05 g/cc	1.05 g/cc	ASTM D792
Melt Flow	3.7 g/10 min @Load 10.0 kg, Temperature 220 °C	3.7 g/10 min @Load 22.0 lb, Temperature 428 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	85	85	ASTM D785
Tensile Strength at Break	23.4 MPa	3390 psi	chs 0.2 in/min; ASTM D638
Tensile Strength, Yield	38.6 MPa	5600 psi	chs 0.2 in/min; ASTM D638
Tensile Modulus	2.136 GPa	309.8 ksi	chs 0.2 in/min; ASTM D638
Flexural Strength	42.7 MPa	6190 psi	chs 0.05 in/min; ASTM D790
Flexural Modulus	1.447 GPa	209.9 ksi	tangent; chs 0.05 in/min; ASTM D790
Izod Impact, Notched	0.427 J/cm @Thickness 3.17 mm, Temperature -30.0 °C	0.800 ft-lb/in @Thickness 0.125 in, Temperature -22.0 °F	ASTM D256
	0.801 J/cm @Thickness 3.17 mm, Temperature -18.0 °C	1.50 ft-lb/in @Thickness 0.125 in, Temperature -0.400 °F	ASTM D256
	0.961 J/cm @Thickness 3.17 mm, Temperature 23.0 °C	1.80 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	ASTM D256
	15.0 J	11.1 ft-lb	

Impact Test		ASTM D3763	
Mechanical Properties	Metric	English	Comments
	@ Temperature -30.0 °C	@ Temperature -22.0 °F	
	30.0 J	22.1 ft-lb	
	@Temperature -18.0 °C	@Temperature -0.400 °F	ASTM D3763
	31.0 J	22.9 ft-lb	
	@Temperature 23.0 °C	@Temperature 73.4 °F	ASTM D3763

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	77.0 °C	171 °F	0.125";, ASTM D648
Vicat Softening Point	110 °C	230 °F	ASTM D1525

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