

Diamond Polymers Centrex® 825 Sheet Extrusion Grade

Category : Polymer , Thermoplastic , ASA Polymer

Material Notes:

Centrex 825 resin is a high-gloss, high-impact grade of ASA (acrylonitrile-styrene-acrylate) with good resistance to weather aging. It has good melt strength for extrusion and thermoforming, and it can be easily coextruded. The recommended substrate is ABS (acrylonitrile-butadiene-styrene) resin. Applications: Typical applications for Centrex 825 resin includes exterior parts requiring high gloss, such as spas; marine components, boat hulls and decks; doors, covers, and trim for recreational vehicles; swimming pool steps; and fiberglass-reinforced plastic replacements. As with any product, use of Centrex 825 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-825-Sheet-Extrusion-Grade.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.05 g/cc	1.05 g/cc	ASTM D792
Melt Flow	8.0 g/10 min @Load 10.0 kg, Temperature 220 °C	8.0 g/10 min @Load 22.0 lb, Temperature 428 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	97	97	ASTM D785
Tensile Strength, Yield	33.8 MPa	4900 psi	chs 2.0 in/min; ASTM D638
Tensile Modulus	1.70 GPa	247 ksi	chs 2.0 in/min; ASTM D638
Flexural Strength	50.3 MPa	7300 psi	chs 0.05 in/min; ASTM D790
Flexural Modulus	1.70 GPa	247 ksi	tangent; chs 0.05 in/min; ASTM D790
Izod Impact, Notched	0.530 J/cm @Thickness 3.17 mm, Temperature -30.0 °C	0.993 ft-lb/in @Thickness 0.125 in, Temperature -22.0 °F	ASTM D256
	1.07 J/cm @Thickness 3.17 mm, Temperature -18.0 °C	2.00 ft-lb/in @Thickness 0.125 in, Temperature -0.400 °F	ASTM D256
	2.14 J/cm @Thickness 3.17 mm, Temperature 23.0 °C	4.01 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	ASTM D256
Impact Test	12.0 J @Temperature -30.0 °C	8.85 ft-lb @Temperature -22.0 °F	ASTM D3763

Mechanical Properties	Metric	English	Comments
	@Temperature -18.0 °C	@Temperature -0.400 °F	ASTM D3763
	38.0 J	28.0 ft-lb	ASTM D3763
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
CTE, linear	99.0 µm/m-°C	55.0 µin/in-°F	ASTM D696
Deflection Temperature at 1.8 MPa (264 psi)	78.0 °C	172 °F	0.125";; ASTM D648
Flammability, UL94	HB	HB	

Optical Properties	Metric	English	Comments
Gloss	80 - 90 %	80 - 90 %	Formed; 60°; ASTM D523
	90 - 100 %	90 - 100 %	Sheet; 60°; ASTM D523

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