

Diamond Polymers DIAMALLOY GLY 9020 Sheet Extrusion Grade

Category : Polymer , Thermoplastic , ASA Polymer , Acrylonitrile/Styrene/Acrylate (ASA), Unreinforced, Molded

Material Notes:

Diamaloy GLY 9020 resin is a high-gloss, low 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. This product is supplied in various colors. Applications: Typical applications include those requiring weatherability and high gloss such as body panels for tractors, recreational vehicles, etc. As with any product, use of Diamaloy GLY 9020 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-DIAMALLOY-GLY-9020-Sheet-Extrusion-Grade.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.08 g/cc	1.08 g/cc	ASTM D792
Linear Mold Shrinkage	0.0040 - 0.0070 cm/cm	0.0040 - 0.0070 in/in	ASTM D955
Melt Flow	7.5 g/10 min @Load 10.0 kg, Temperature 220 °C	7.5 g/10 min @Load 22.0 lb, Temperature 428 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	38.0 MPa	5510 psi	chs 2.0 in/min; ASTM D638
Tensile Strength, Yield	56.0 MPa	8120 psi	chs 2.0 in/min; ASTM D638
Elongation at Break	15 %	15 %	chs 2.0 in/min; ASTM D638
Elongation at Yield	3.0 %	3.0 %	chs 2.0 in/min; ASTM D638
Flexural Strength	82.0 MPa @Thickness 3.17 mm	11900 psi @Thickness 0.125 in	chs 0.05 in/min; 2 in span; ASTM D790
Flexural Modulus	2.749 GPa @Thickness 3.17 mm	398.7 ksi @Thickness 0.125 in	chs 0.05 in/min; ASTM D790
Izod Impact, Notched	1.07 J/cm @Thickness 3.17 mm	2.00 ft-lb/in @Thickness 0.125 in	ASTM D256
Impact Test	32.7 J	24.1 ft-lb	Total Energy; ASTM D3763

Thermal Properties	Metric	English	Comments
	95.4 µm/m-°C	53.0 µin/in-°F	

CTE linear Thermal Properties	Metric @ Temperature -40.0 - 37.8 °C	English @ Temperature -40.0 - 100 °F	ASTM E831 Comments
CTE, linear, Transverse to Flow	108 µm/m-°C @Temperature -40.0 - 37.8 °C	60.0 µin/in-°F @Temperature -40.0 - 100 °F	ASTM E831
Deflection Temperature at 0.46 MPa (66 psi)	94.0 °C	201 °F	0.125";, ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	83.0 °C	181 °F	0.125";, ASTM D648

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