

GRECO ISOPAK 547 ABS Resin

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Impact Grade, Molded

Material Notes:

High Impact Grade Information provided by Greater Eastern Resins Industrial Co., Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_GRECO-ISOPAK-547-ABS-Resin.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.03 g/cc	1.03 g/cc	ASTM D792
Water Absorption	0.30 %	0.30 %	ASTM D570
	@Temperature 23.0 Â°C, Time 86400 sec	@Temperature 73.4 Â°F, Time 24.0 hour	
Linear Mold Shrinkage	0.0040 cm/cm	0.0040 in/in	ASTM D955
Melt Flow	0.50 - 1.5 g/10 min	0.50 - 1.5 g/10 min	ASTM D1238
	@Load 5.00 kg, Temperature 200 Â°C	@Load 11.0 lb, Temperature 392 Â°F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	105	105	ASTM D785
Tensile Strength	47.1 MPa	6830 psi	ASTM D638
Elongation at Break	28 %	28 %	ASTM D412
Flexural Yield Strength	73.5 MPa	10700 psi	ASTM D790
Flexural Modulus	2.35 GPa	341 ksi	ASTM D790
Izod Impact, Notched	2.75 J/cm	5.14 ft-lb/in	ASTM D256 A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	89.0 Â°C	192 Â°F	ASTM D648
UL RTI, Mechanical without Impact	60.0 Â°C	140 Â°F	UL-746B
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Hot Wire Ignition, HWI	16 sec	16 sec	.062" and above; UL-746A

High Amp Arc Ignition, HAI Electrical Properties	200 arcs Metric	200 arcs English	.062" and above; UL-746A Comments
High Voltage Arc-Tracking Rate, HVTR	0.000 mm/min	0.000 in/min	.062" and above; UL-746A

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