

SABIC Innovative Plastics Cycolac® GRM2600L ABS

Category : Polymer , Thermoplastic , ABS Polymer

Material Notes:

High Impact , good chemical resistance sheet grade ABS designed for refrigerator liner applications.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-Cycolac-GRM2600L-ABS.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.04 g/cc	1.04 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0045 - 0.0065 cm/cm @Thickness 3.20 mm	0.0045 - 0.0065 in/in @Thickness 0.126 in	SABIC Method
Melt Flow	2.5 g/10 min @Load 10.0 kg, Temperature 220 °C	2.5 g/10 min @Load 22.0 lb, Temperature 428 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	35.0 MPa	5080 psi	Type I, 5 mm/min; ASTM D638
Tensile Strength, Yield	41.0 MPa	5950 psi	Type I, 5 mm/min; ASTM D638
Elongation at Break	55 %	55 %	Type I, 5 mm/min; ASTM D638
Tensile Modulus	2.41 GPa	350 ksi	5 mm/min; ASTM D638
Flexural Yield Strength	75.0 MPa	10900 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	2.30 GPa	334 ksi	1.3 mm/min, 50 mm span; ASTM D790
Izod Impact, Notched	4.00 J/cm	7.49 ft-lb/in	ASTM D256
Dart Drop, Total Energy	46.0 J @Temperature 23.0 °C	33.9 ft-lb @Temperature 73.4 °F	ASTM D3763

Thermal Properties	Metric	English	Comments
CTE, linear, Transverse to Flow	72.0 µm/m-°C @Temperature -40.0 - 40.0 °C	40.0 µin/in-°F @Temperature -40.0 - 104 °F	ASTM E 831
Deflection Temperature at 0.46 MPa (66 psi)	100 °C @Thickness 3.20 mm	212 °F @Thickness 0.126 in	unannealed; ASTM D648
	85.0 °C	185 °F	

Deflection Temperature at 1.8 MPa (104 psi) Thermal Properties	Metric @ Thickness 3.20 mm	English @ Thickness 0.126 in	unannealed; ASTM D648 Comments
Vicat Softening Point	113 °C	235 °F	Rate B/50; ASTM D1525

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