

SABIC Innovative Plastics Cycolac® MG37EPX ABS (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , ABS Polymer

Material Notes:

ABS plating grade optimized for a broad processing window for both painted and plated applications.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-Cycolac-MG37EPX-ABS-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.0040 - 0.0060 cm/cm @Thickness 3.20 mm	0.0040 - 0.0060 in/in @Thickness 0.126 in	SABIC Method
Melt Flow	20.6 g/10 min @Load 10.0 kg, Temperature 220 °C	20.6 g/10 min @Load 22.0 lb, Temperature 428 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	39.0 MPa	5660 psi	5 mm/min; ISO 527
Tensile Strength, Yield	48.0 MPa	6960 psi	5 mm/min; ISO 527
Elongation at Break	15.8 %	15.8 %	5 mm/min; ISO 527
Elongation at Yield	2.0 %	2.0 %	5 mm/min; ISO 527
Tensile Modulus	2.76 GPa	400 ksi	1 mm/min; ISO 527
Flexural Yield Strength	73.0 MPa	10600 psi	2 mm/min; ISO 178
Flexural Modulus	2.47 GPa	358 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	23.0 kJ/m ²	10.9 ft-lb/in ²	80*10*4; ISO 180/1A
	6.00 kJ/m ² @Temperature -40.0 °C	2.86 ft-lb/in ² @Temperature -40.0 °F	80*10*4; ISO 180/1A
	8.00 kJ/m ² @Temperature -30.0 °C	3.81 ft-lb/in ² @Temperature -22.0 °F	80*10*4; ISO 180/1A

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	60.0 µm/m-°C @Temperature -40.0 -	33.3 µin/in-°F @Temperature -40.0 -	ISO 11359-2

Thermal Properties	40.0 °C Metric	104 °F English	Comments
CTE, linear, Transverse to Flow	60.0 µm/m-°C @Temperature -40.0 - 40.0 °C	33.3 µin/in-°F @Temperature -40.0 - 104 °F	ISO 11359-2
Deflection Temperature at 1.8 MPa (264 psi)	81.0 °C	178 °F	Flatw 80*10*4 sp=64mm; ISO 75/Af
Vicat Softening Point	98.0 °C	208 °F	Rate B/50; ISO 306

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