

SABIC Innovative Plastics GELOY CR7501 ASA (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , ASA Polymer

Material Notes:

High heat injection moulding grade, blend of ASA/AMSAN. It can be positioned for outside parts in various markets. Various colours.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-GELOY-CR7501-ASA-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.06 g/cc	0.0383 lb/in ³	ISO 1183
Moisture Absorption	0.200 %	0.200 %	23°C / 50% RH; ISO 62
Water Absorption at Saturation	0.55 %	0.55 %	ISO 62
Linear Mold Shrinkage, Flow	0.0040 - 0.0070 cm/cm	0.0040 - 0.0070 in/in	on Tensile Bar; SABIC Method
Melt Index of Compound	9.0 g/10 min @Load 5.00 kg, Temperature 260 °C	9.0 g/10 min @Load 11.0 lb, Temperature 500 °F	MVR [cm ³ /10 min]; ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	45.0 MPa	6530 psi	5 mm/min; ISO 527
	49.0 MPa	7110 psi	50 mm/min; ISO 527
Elongation at Yield	2.8 %	2.8 %	5 mm/min; ISO 527
	3.0 %	3.0 %	50 mm/min; ISO 527
Tensile Modulus	2.38 GPa	345 ksi	1 mm/min; ISO 527
Izod Impact, Notched (ISO)	9.00 kJ/m ²	4.28 ft-lb/in ²	80*10*4; ISO 180/1A
	5.00 kJ/m ² @Temperature -30.0 °C	2.38 ft-lb/in ² @Temperature -22.0 °F	80*10*4; ISO 180/1A
Charpy Impact, Notched	0.900 J/cm ²	4.28 ft-lb/in ²	Edgew 80*10*4 sp=62mm; ISO 179/1eA
	0.400 J/cm ² @Temperature -30.0 °C	1.90 ft-lb/in ² @Temperature -22.0 °F	Edgew 80*10*4 sp=62mm; ISO 179/1eA
Taber Abrasion, mg/1000 Cycles	155	155	CS-17, 1 kg; SABIC Method

Thermal Properties	Metric	English	Comments
	80.0 µm/m-°C	44.4 µin/in-°F	

CTE, linear, Parallel to Flow Thermal Properties	Metric @ Temperature 23.0 - 60.0 °C	English @ Temperature 73.4 - 140 °F	ISO 11359-2 Comments
	85.0 µm/m-°C	47.2 µin/in-°F	
CTE, linear, Transverse to Flow	@Temperature 23.0 - 60.0 °C	@Temperature 73.4 - 140 °F	ISO 11359-2
Thermal Conductivity	0.210 W/m-K	1.46 BTU-in/hr-ft²-°F	ISO 8302
Vicat Softening Point	102 °C	216 °F	Rate B/50; ISO 306
	106 °C	223 °F	Rate B/120; ISO 306

Descriptive Properties	Value	Comments
Ball Pressure Test, 75°C +/- 2°C	PASSES	IEC 60695-10-2

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