

SABIC Innovative Plastics Cycology® XP7560 ASA (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , ASA Polymer

Material Notes:

GELOY XP7560 is a general purpose ASA/PC injection moulding grade, available in various colours.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-Cycology-XP7560-ASA-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.10 g/cc	0.0397 lb/in³	ISO 1183
Moisture Absorption	0.300 %	0.300 %	23°C / 50% RH; ISO 62
Water Absorption at Saturation	0.80 %	0.80 %	ISO 62
Linear Mold Shrinkage, Flow	0.0040 - 0.0060 cm/cm	0.0040 - 0.0060 in/in	on Tensile Bar; SABIC Method
Melt Index of Compound	20 g/10 min @Load 5.00 kg, Temperature 260 °C	20 g/10 min @Load 11.0 lb, Temperature 500 °F	MVR [cm³/10 min]; ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	111	111	ISO 2039-2
Hardness, H358/30	92.0 MPa	13300 psi	ISO 2039-1
Tensile Strength at Break	43.0 MPa	6240 psi	50 mm/min; ISO 527
Tensile Strength, Yield	55.0 MPa	7980 psi	50 mm/min; ISO 527
Elongation at Break	20 %	20 %	50 mm/min; ISO 527
Elongation at Yield	3.7 %	3.7 %	50 mm/min; ISO 527
Tensile Modulus	2.46 GPa	357 ksi	1 mm/min; ISO 527
Flexural Yield Strength	82.0 MPa	11900 psi	2 mm/min; ISO 178
Flexural Modulus	2.50 GPa	363 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	20.0 kJ/m²	9.52 ft-lb/in²	80*10*4; ISO 180/1A
	8.00 kJ/m² @Temperature -30.0 °C	3.81 ft-lb/in² @Temperature -22.0 °F	80*10*4; ISO 180/1A

Thermal Properties	Metric	English	Comments
	95.0 µm/m-°C	52.8 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
Thermal Conductivity	0.200 W/m-K	1.39 BTU-in/hr-ft²-°F	ISO 8302
Hot Ball Pressure Test	<= 95.0 °C	<= 203 °F	IEC 60695-10-2
Deflection Temperature at 0.46 MPa (66 psi)	102 °C	216 °F	Edgew 120*10*4 sp=100mm; ISO 75/Be
Deflection Temperature at 1.8 MPa (264 psi)	86.0 °C	187 °F	Edgew 120*10*4 sp=100mm; ISO 75/Ae
Vicat Softening Point	102 °C	216 °F	Rate B/50; ISO 306
	107 °C	225 °F	Rate B/120; ISO 306
	113 °C	235 °F	Rate A/50; ISO 306
Flammability, UL94	HB @Thickness 3.20 mm	HB @Thickness 0.126 in	UL 94 by SABIC-IP

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

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