

SABIC Innovative Plastics GELOY XP4020R ASA+PC (Asia Pacific)

Category : Polymer , Thermoplastic , ASA Polymer , Polycarbonate (PC) , Polycarbonate/ASA Alloy, Unreinforced

Material Notes:

ASA+PC may contain up to 20% post-industrial recycle. Excellent flow, weatherability, toughness and high heat for exterior uses.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-GELOY-XP4020R-ASAPC-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.13 g/cc	1.13 g/cc	ASTM D792
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	10 g/10 min @Load 10.0 kg, Temperature 220 °C	10 g/10 min @Load 22.0 lb, Temperature 428 °F	ASTM D1238
	21.6 g/10 min @Load 3.80 kg, Temperature 230 °C	21.6 g/10 min @Load 8.38 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	111	111	ASTM D785
Tensile Strength at Break	44.0 MPa	6380 psi	Type I, 50 mm/min; ASTM D638
Tensile Strength, Yield	60.0 MPa	8700 psi	Type I, 50 mm/min; ASTM D638
Elongation at Break	36 %	36 %	Type I, 50 mm/min; ASTM D638
Elongation at Yield	3.7 %	3.7 %	Type I, 50 mm/min; ASTM D638
Tensile Modulus	3.03 GPa	439 ksi	50 mm/min; ASTM D638
Flexural Yield Strength	86.0 MPa	12500 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	2.55 GPa	370 ksi	1.3 mm/min, 50 mm span; ASTM D790
Izod Impact, Notched	3.04 J/cm	5.70 ft-lb/in	ASTM D256
	0.690 J/cm @Temperature -30.0 °C	1.29 ft-lb/in @Temperature -22.0 °F	ASTM D256
Dart Drop, Total Energy	22.0 J @Temperature -30.0 °C	16.2 ft-lb @Temperature -22.0 °F	ASTM D3763

Mechanical Properties	Metric	English ^{lb}	Comments
	@Temperature 23.0 °C	@Temperature 73.4 °F	ASTM D3763

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	90.0 µm/m-°C @Temperature -40.0 - 40.0 °C	50.0 µin/in-°F @Temperature -40.0 - 104 °F	ASTM E 831
CTE, linear, Transverse to Flow	81.0 µm/m-°C @Temperature -40.0 - 40.0 °C	45.0 µin/in-°F @Temperature -40.0 - 104 °F	ASTM E 831
Deflection Temperature at 0.46 MPa (66 psi)	106 °C @Thickness 3.20 mm	223 °F @Thickness 0.126 in	unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	90.0 °C @Thickness 3.20 mm	194 °F @Thickness 0.126 in	unannealed; ASTM D648
Vicat Softening Point	121 °C	250 °F	Rate B/50; ASTM D1525
Flame Spread	39.0 mm/min @Thickness 1.00 mm	1.54 in/min @Thickness 0.0394 in	FMVSS 302

Optical Properties	Metric	English	Comments
Gloss	98 %	98 %	untextured, 60 degrees; ASTM D523

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China