

SABIC Innovative Plastics GELOY XTWE265 ASA (Asia Pacific)

Category : Polymer , Thermoplastic , ASA Polymer

Material Notes:

Highly weatherable Gelay ASA profile extrusion grade for processes with simple or no calibration hardware.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-GELOY-XTWE265-ASA-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.10 g/cc	1.10 g/cc	ASTM D792
Density	1.10 g/cc	0.0397 lb/in ³	ISO 1183
Moisture Absorption	0.150 %	0.150 %	23°C / 50% RH; ISO 62
Water Absorption at Saturation	0.55 %	0.55 %	ISO 62
Linear Mold Shrinkage, Flow	0.0050 - 0.0070 cm/cm @Thickness 3.20 mm	0.0050 - 0.0070 in/in @Thickness 0.126 in	SABIC Method
Melt Flow	5.2 g/10 min @Load 10.0 kg, Temperature 220 °C	5.2 g/10 min @Load 22.0 lb, Temperature 428 °F	ASTM D1238
Melt Index of Compound	5.0 g/10 min @Load 5.00 kg, Temperature 220 °C	5.0 g/10 min @Load 11.0 lb, Temperature 428 °F	MVR [cm ³ /10 min]; ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	29.0 MPa	4210 psi	Type I, 50 mm/min; ASTM D638
	29.0 MPa	4210 psi	50 mm/min; ISO 527
Tensile Strength, Yield	37.0 MPa	5370 psi	50 mm/min; ISO 527
	38.0 MPa	5510 psi	Type I, 50 mm/min; ASTM D638
Elongation at Break	37 %	37 %	Type I, 50 mm/min; ASTM D638
	40 %	40 %	50 mm/min; ISO 527
Elongation at Yield	3.0 %	3.0 %	50 mm/min; ISO 527
	4.0 %	4.0 %	Type I, 50 mm/min; ASTM D638
Tensile Modulus	1.87 GPa	271 ksi	5 mm/min; ASTM D638
	1.90 GPa	276 ksi	1 mm/min; ISO 527

Mechanical Properties	Metric	English	Comments
	56.0 MPa	8120 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	1.88 GPa	273 ksi	1.3 mm/min, 50 mm span; ASTM D790
	1.90 GPa	276 ksi	2 mm/min; ISO 178
Izod Impact, Notched	2.60 J/cm	4.87 ft-lb/in	ASTM D256
Izod Impact, Notched (ISO)	26.0 kJ/m ²	12.4 ft-lb/in ²	80*10*4; ISO 180/1A
Charpy Impact, Notched	1.80 J/cm ²	8.57 ft-lb/in ²	Edgew 80*10*4 sp=62mm; ISO 179/1eA
Dart Drop, Total Energy	35.0 J	25.8 ft-lb	ASTM D3763
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	120 µm/m-°C	66.7 µin/in-°F	ASTM E 831
	@Temperature -40.0 - 40.0 °C	@Temperature -40.0 - 104 °F	
	120 µm/m-°C	66.7 µin/in-°F	ISO 11359-2
	@Temperature -40.0 - 40.0 °C	@Temperature -40.0 - 104 °F	
CTE, linear, Transverse to Flow	130 µm/m-°C	72.2 µin/in-°F	ASTM E 831
	@Temperature -40.0 - 40.0 °C	@Temperature -40.0 - 104 °F	
	130 µm/m-°C	72.2 µin/in-°F	ISO 11359-2
	@Temperature -40.0 - 40.0 °C	@Temperature -40.0 - 104 °F	
Deflection Temperature at 0.46 MPa (66 psi)	84.0 °C	183 °F	unannealed; ASTM D648
	@Thickness 3.20 mm	@Thickness 0.126 in	
Deflection Temperature at 1.8 MPa (264 psi)	75.0 °C	167 °F	Flatw 80*10*4 sp=64mm; ISO 75/Af
Vicat Softening Point	82.0 °C	180 °F	Rate B/50; ASTM D1525
	85.0 °C	185 °F	Rate B/50; ISO 306
	87.0 °C	189 °F	Rate B/120; ISO 306

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