SABIC Innovative Plastics XenoyÂ® X2420 PC+POLYESTER (Asia Pacific)

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate/PET Polyester Blend , Polyester, TP , Polyethylene Terephthalate (PET)

Material Notes:

Xenoy*X2420 is a 10% glass filled, high flow, impact modified, injection moldable grade designed for high flow and impact strength. X2420 has enhanced melt flowability, impact ductility and broad color space.

Order this product through the following link:
http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-Xenoy-X2420-PCPOLYESTER-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.28 g/cc	1.28 g/cc	ASTM D792
Density	1.28 g/cc	0.0462 lb/inÂ³	ISO 1183
Moisture Absorption	0.0400 %	0.0400 %	23Â°C / 50% RH; ISO 62
Water Absorption at Saturation	0.020 %	0.020 %	ISO 62
Linear Mold Shrinkage, Flow	0.0015 - 0.0025 cm/cm @Thickness 3.20 mm	0.0015 - 0.0025 in/in @Thickness 0.126 in	SABIC Method
Linear Mold Shrinkage, Transverse	0.0030 - 0.0040 cm/cm @Thickness 3.20 mm	0.0030 - 0.0040 in/in @Thickness 0.126 in	SABIC Method
Melt Index of Compound	12 g/10 min @Load 2.16 kg, Temperature 265 Â°C	12 g/10 min @Load 4.76 lb, Temperature 509 Â°F	MVR [cm^3/10 min]; ISO 1133
	26 g/10 min @Load 1.20 kg, Temperature 300 Â°C	26 g/10 min @Load 2.65 lb, Temperature 572 Â°F	MVR [cm^3/10 min]; ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	35.0 MPa	5080 psi	Type I, 5 mm/min; ASTM D638
	37.0 MPa	5370 psi	5 mm/min; ISO 527
Tensile Strength, Yield	50.0 MPa	7250 psi	Type I, 5 mm/min; ASTM D638
	51.0 MPa	7400 psi	5 mm/min; ISO 527
Elongation at Break	7.0 %	7.0 %	5 mm/min; ISO 527
Elongation at Yield	3.0 %	3.0 %	Type I, 5 mm/min; ASTM D638
	3.0 %	3.0 %	5 mm/min; ISO 527
Tensile Modulus	3.80 GPa	551 ksi	5 mm/min; ASTM D638

Mechanical Properties	Metric	English	Comments
Flexural Yield Strength	90.0 MPa	13100 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	3.50 GPa	508 ksi	1.3 mm/min, 50 mm span; ASTM D790
Izod Impact, Notched	2.05 J/cm	3.84 ft-lb/in	ASTM D256
Izod Impact, Unnotched	16.0 J/cm	30.0 ft-lb/in	ASTM D4812
Izod Impact, Notched (ISO)	14.0 kJ/mÂ²	6.66 ft-lb/inÂ²	80*10*4; ISO 180/1A
	8.00 kJ/mÂ² @Temperature -30.0 Â°C	3.81 ft-lb/inÂ² @Temperature -22.0 Â°F	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	110 kJ/mÂ²	52.3 ft-lb/inÂ²	80*10*4; ISO 180/1U
	74.0 kJ/mÂ² @Temperature -30.0 Â°C	35.2 ft-lb/inÂ² @Temperature -22.0 Â°F	80*10*4; ISO 180/1U
Charpy Impact Unnotched	9.50 J/cmÂ²	45.2 ft-lb/inÂ²	Edgew 80*10*4 sp=62mm; ISO 179/1eU
	9.50 J/cmÂ² @Temperature -30.0 Â°C	45.2 ft-lb/inÂ² @Temperature -22.0 Â°F	Edgew 80*10*4 sp=62mm; ISO 179/1eU
Charpy Impact, Notched	1.50 J/cmÂ²	7.14 ft-lb/inÂ²	Edgew 80*10*4 sp=62mm; ISO 179/1eA
	0.700 J/cmÂ² @Temperature -30.0 Â°C	3.33 ft-lb/inÂ² @Temperature -22.0 Â°F	Edgew 80*10*4 sp=62mm; ISO 179/1eA
Dart Drop, Total Energy	36.0 J @Temperature 23.0 Â°C	26.6 ft-lb @Temperature 73.4 Â°F	ASTM D3763

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	40.0 Âµm/m-Â°C @Temperature 23.0 - 80.0 Â°C	22.2 Âµin/in-Â°F @Temperature 73.4 - 176 Â°F	ISO 11359-2
	50.0 Âµm/m-Â°C @Temperature -40.0 - 40.0 Â°C	27.8 Âµin/in-Â°F @Temperature -40.0 - 104 Â°F	ASTM E 831
CTE, linear, Transverse to Flow	80.0 Âµm/m-Â°C @Temperature -40.0 -	44.4 Âµin/in-Â°F @Temperature -40.0 -	ASTM E 831

Thermal Properties	Metric	English	Comments
	40.0 Â°C	104 Â°F	
	90.0 Âµm/m-Â°C @Temperature 23.0 - 80.0 Â°C	50.0 Âµin/in-Â°F @Temperature 73.4 - 176 Â°F	ISO 11359-2
Deflection Temperature at 0.46 MPa (66 psi)	111 Â°C @Thickness 3.20 mm	232 Â°F @Thickness 0.126 in	unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	101 Â°C @Thickness 3.20 mm	214 Â°F @Thickness 0.126 in	unannealed; ASTM D648
Vicat Softening Point	118 Â°C	244 Â°F	Rate B/120; ISO 306
UL RTI, Electrical	75.0 Â°C	167 Â°F	UL 746B
UL RTI, Mechanical with Impact	75.0 Â°C	167 Â°F	UL 746B
UL RTI, Mechanical without Impact	75.0 Â°C	167 Â°F	UL 746B
Flammability, UL94	HB @Thickness 0.400 mm	HB @Thickness 0.0157 in	UL 94

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