

Sax Polymers SAXATEC 6120 AES

Category : Polymer , Thermoplastic , AES Polymer

Material Notes:

SAXATEC 6120 is a easy lowing, weatherable AES injection molding grade, characterized by high impact strength, high stiffness and good resistance to heat distortion. Information provided by SAX Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_Sax-Polymers-SAXATEC-6120-AES.php

Physical Properties	Metric	English	Comments
Density	1.07 g/cc	0.0387 lb/in ³	
Linear Mold Shrinkage	0.0040 - 0.0070 cm/cm	0.0040 - 0.0070 in/in	
Melt Flow	21 g/10 min @Load 10.0 kg, Temperature 220 Â°C	21 g/10 min @Load 22.0 lb, Temperature 428 Â°F	from MVR; ISO 1033

Mechanical Properties	Metric	English	Comments
Tensile Strength	37.0 MPa	5370 psi	ISO 527-1
Elongation at Break	30 %	30 %	ISO 527-1
Tensile Modulus	2.00 GPa	290 ksi	ISO 527-1
Izod Impact, Notched (ISO)	15.0 kJ/m ² @Temperature -30.0 Â°C	7.14 ft-lb/in ² @Temperature -22.0 Â°F	ISO 180/1A
	30.0 kJ/m ² @Temperature 23.0 Â°C	14.3 ft-lb/in ² @Temperature 73.4 Â°F	ISO 180/1A
Izod Impact, Unnotched (ISO)	60.0 kJ/m ² @Temperature -30.0 Â°C	28.6 ft-lb/in ² @Temperature -22.0 Â°F	ISO 180
	100 kJ/m ² @Temperature 23.0 Â°C	47.6 ft-lb/in ² @Temperature 73.4 Â°F	ISO 180
Charpy Impact Unnotched	6.00 J/cm ² @Temperature -30.0 Â°C	28.6 ft-lb/in ² @Temperature -22.0 Â°F	ISO 179/1eU
	10.0 J/cm ²	47.6 ft-lb/in ²	ISO 179/1eU

Mechanical Properties	Metric @Temperature 23.0 Â°C	English @Temperature 73.4 Â°F	Comments
Charpy Impact, Notched	1.50 J/cmÂ² @Temperature -30.0 Â°C	7.14 ft-lb/inÂ² @Temperature -22.0 Â°F	ISO 179/1eA
	3.20 J/cmÂ² @Temperature 23.0 Â°C	15.2 ft-lb/inÂ² @Temperature 73.4 Â°F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Hot Ball Pressure Test	80.0 Â°C @Thickness 2.00 mm	176 Â°F @Thickness 0.0787 in	IE/CEN 60335-1
Deflection Temperature at 1.8 MPa (264 psi)	80.0 Â°C	176 Â°F	80*10*4 s=60mm; ISO 75-1 a
Vicat Softening Point	94.0 Â°C	201 Â°F	50B; ISO 306
Glow Wire Test	650 Â°C	1200 Â°F	IEC 60695-2-12

Processing Properties	Metric	English	Comments
Melt Temperature	220 - 260 Â°C	428 - 500 Â°F	
Mold Temperature	60.0 - 90.0 Â°C	140 - 194 Â°F	
Drying Temperature	80.0 Â°C @Time 7200 - 21600 sec	176 Â°F @Time 2.00 - 6.00 hour	
Moisture Content	<= 0.20 %	<= 0.20 %	

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