

Sax Polymers SAXLAC 835U Acrylonitrile Butadiene Styrene

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Molded

Material Notes:

Saxalac 835U is an antistatic, easy flowing light stabilized ABS injection molding grade, characterized by high impact strength, high stiffness and good resistance to heat distortion. Mechanical property data tested at 50% RH. Information provided by SAX Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_Sax-Polymers-SAXLAC-835U-Acrylonitrile-Butadiene-Styrene.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in ³	
Linear Mold Shrinkage	0.0040 - 0.0070 cm/cm	0.0040 - 0.0070 in/in	
Melt Flow	35 g/10 min @Load 10.0 kg, Temperature 220 °C	35 g/10 min @Load 22.0 lb, Temperature 428 °F	from MVR; ISO 1033

Mechanical Properties	Metric	English	Comments
Tensile Strength	40.0 MPa	5800 psi	ISO 527-1
Elongation at Break	10 %	10 %	ISO 527-1
Tensile Modulus	2.40 GPa	348 ksi	ISO 527-1
Izod Impact, Notched (ISO)	7.00 kJ/m ² @Temperature -30.0 °C	3.33 ft-lb/in ² @Temperature -22.0 °F	ISO 180/1A
	22.0 kJ/m ² @Temperature 23.0 °C	10.5 ft-lb/in ² @Temperature 73.4 °F	ISO 180/1A
Izod Impact, Unnotched (ISO)	70.0 kJ/m ² @Temperature -30.0 °C	33.3 ft-lb/in ² @Temperature -22.0 °F	ISO 180
	100 kJ/m ² @Temperature 23.0 °C	47.6 ft-lb/in ² @Temperature 73.4 °F	ISO 180
Charpy Impact Unnotched	6.50 J/cm ² @Temperature -30.0 °C	30.9 ft-lb/in ² @Temperature -22.0 °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	0.700 J/cmÂ²	3.33 ft-lb/inÂ²	ISO 179/1eA
	@Temperature -30.0 Â°C	@Temperature -22.0 Â°F	
	2.20 J/cmÂ²	10.5 ft-lb/inÂ²	ISO 179/1eA
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	

Thermal Properties	Metric	English	Comments
Hot Ball Pressure Test	90.0 Â°C	194 Â°F	IE/CEN 60335-1
	@Thickness 2.00 mm	@Thickness 0.0787 in	
Deflection Temperature at 1.8 MPa (264 psi)	94.0 Â°C	201 Â°F	80*10*4 s=60mm; ISO 75-1 a
Vicat Softening Point	95.0 Â°C	203 Â°F	50B; ISO 306
Flammability, UL94	HB	HB	
	@Thickness 0.800 mm	@Thickness 0.0315 in	
Glow Wire Test	650 Â°C	1200 Â°F	IE/CEN 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	176 Â°F	
	@Time 7200 - 14400 sec	@Time 2.00 - 4.00 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