

LG Chemical XR404T ABS, Heat Resistance

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

Material Notes:

Feature: Injection Molding, Heat Resistance, Curl Fit
Application: Automotives Interior Housing (P/W Switch Housing Etc)
CAS No. 25120-20-1, 9003-56-9, and 9001-96-2
Information provided by LG Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_LG-Chemical-XR404T-ABS-Heat-Resistance.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.05 g/cc	1.05 g/cc	ASTM D792
Maximum Moisture Content	0.010	0.010	Injection Molding
Linear Mold Shrinkage, Flow	0.0040 - 0.0070 cm/cm @Thickness 3.20 mm	0.0040 - 0.0070 in/in @Thickness 0.126 in	ASTM D955
Melt Flow	6.0 g/10 min @Load 10.0 kg, Temperature 220 °C	6.0 g/10 min @Load 22.0 lb, Temperature 428 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	108	108	ASTM D785
Tensile Strength, Yield	49.0 MPa @Thickness 3.20 mm	7110 psi @Thickness 0.126 in	50 mm/min; ASTM D638
Elongation at Break	15 % @Thickness 3.20 mm	15 % @Thickness 0.126 in	50 mm/min; ASTM D638
Elongation at Yield	>= 5.0 % @Thickness 3.20 mm	>= 5.0 % @Thickness 0.126 in	50 mm/min; ASTM D638
Flexural Yield Strength	79.4 MPa @Thickness 3.20 mm	11500 psi @Thickness 0.126 in	15 mm/min; ASTM D790
Flexural Modulus	2.60 GPa @Thickness 3.20 mm	377 ksi @Thickness 0.126 in	15 mm/min; ASTM D790
Izod Impact, Notched	1.47 J/cm @Thickness 3.20 mm, Temperature 23.0 °C	2.76 ft-lb/in @Thickness 0.126 in, Temperature 73.4 °F	ASTM D256
	1.57 J/cm	2.94 ft-lb/in	ASTM D256

Mechanical Properties	Metric @Thickness 6.40 mm, Temperature 23.0 °C	English @Thickness 0.252 in, Temperature 73.4 °F	Comments
Izod Impact, Unnotched	0.686 J/cm @Thickness 3.20 mm, Temperature -30.0 °C	1.29 ft-lb/in @Thickness 0.126 in, Temperature -22.0 °F	ASTM D256
	0.785 J/cm @Thickness 6.40 mm, Temperature -30.0 °C	1.47 ft-lb/in @Thickness 0.252 in, Temperature -22.0 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	108 °C @Thickness 6.40 mm	226 °F @Thickness 0.252 in	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	100 °C @Thickness 6.40 mm	212 °F @Thickness 0.252 in	Unannealed; ASTM D648
Vicat Softening Point	107 °C @Load 5.00 kg	225 °F @Load 11.0 lb	50°C/h; ASTM D1525
UL RTI, Electrical	60.0 °C	140 °F	UL 746B
UL RTI, Mechanical with Impact	60.0 °C	140 °F	UL 746B
UL RTI, Mechanical without Impact	60.0 °C	140 °F	UL 746B
Flammability, UL94	HB	HB	

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	180 - 210 °C	356 - 410 °F	Injection Molding
Middle Barrel Temperature	210 - 230 °C	410 - 446 °F	Injection Molding
Front Barrel Temperature	230 - 240 °C	446 - 464 °F	Injection Molding
Nozzle Temperature	230 - 240 °C	446 - 464 °F	Injection Molding
Melt Temperature	220 - 240 °C	428 - 464 °F	Injection Molding
Mold Temperature	40.0 - 60.0 °C	104 - 140 °F	Injection Molding
Drying Temperature	80.0 - 90.0 °C	176 - 194 °F	Injection Molding
Dry Time	3.00 - 4.00 hour	3.00 - 4.00 hour	Injection Molding
Back Pressure	29.4 - 58.8 MPa	4260 - 8530 psi	Injection Molding
Screw Speed	50 - 100 rpm	50 - 100 rpm	Injection Molding

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