

## LG Chemical XR404HJ ABS, Heat Resistance, Curl Fit

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 25747-74-7  
 Information provided by LG Chemical

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_LG-Chemical-XR404HJ-ABS-Heat-Resistance-Curl-Fit.php](http://www.lookpolymers.com/polymer_LG-Chemical-XR404HJ-ABS-Heat-Resistance-Curl-Fit.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 Å°C	6.0 g/10 min @Load 22.0 lb, Temperature 428 Å°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	107	107	ASTM D785
Tensile Strength, Yield	45.1 MPa @Thickness 3.20 mm	6540 psi @Thickness 0.126 in	50 mm/min; ASTM D638
Elongation at Break	30 % @Thickness 3.20 mm	30 % @Thickness 0.126 in	50 mm/min; ASTM D638
Flexural Yield Strength	71.6 MPa @Thickness 3.20 mm	10400 psi @Thickness 0.126 in	15 mm/min; ASTM D790
Flexural Modulus	2.35 GPa @Thickness 3.20 mm	341 ksi @Thickness 0.126 in	15 mm/min; ASTM D790
Izod Impact, Notched	1.27 J/cm @Thickness 6.40 mm, Temperature 23.0 Å°C	2.39 ft-lb/in @Thickness 0.252 in, Temperature 73.4 Å°F	ASTM D256
	1.47 J/cm @Thickness 3.20 mm, Temperature 23.0 Å°C	2.76 ft-lb/in @Thickness 0.126 in, Temperature 73.4 Å°F	ASTM D256
	0.686 J/cm	1.29 ft-lb/in	

Impact Properties	Metric	English	Comments
Impact Properties	@ Thickness 6.40 mm, Temperature -30.0 Å°C	@ Thickness 0.252 in, Temperature -22.0 Å°F	ASTM D256
	0.785 J/cm	1.47 ft-lb/in	ASTM D256
	@Thickness 3.20 mm, Temperature -30.0 Å°C	@Thickness 0.126 in, Temperature -22.0 Å°F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	108 Å°C @Thickness 6.40 mm	226 Å°F @Thickness 0.252 in	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	100 Å°C @Thickness 6.40 mm	212 Å°F @Thickness 0.252 in	Unannealed; ASTM D648
Vicat Softening Point	108 Å°C @Load 5.00 kg	226 Å°F @Load 11.0 lb	50Å°C/h; ASTM D1525

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	180 - 210 Å°C	356 - 410 Å°F	Injection Molding
Middle Barrel Temperature	210 - 230 Å°C	410 - 446 Å°F	Injection Molding
Front Barrel Temperature	230 - 240 Å°C	446 - 464 Å°F	Injection Molding
Nozzle Temperature	230 - 240 Å°C	446 - 464 Å°F	Injection Molding
Melt Temperature	220 - 240 Å°C	428 - 464 Å°F	Injection Molding
Mold Temperature	40.0 - 60.0 Å°C	104 - 140 Å°F	Injection Molding
Drying Temperature	80.0 - 90.0 Å°C	176 - 194 Å°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](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China