

LG Chemical NT-520 ABS, High Flow, Non Toxic

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

Material Notes:

Information Provided by LG Chem

Order this product through the following link:

http://www.lookpolymers.com/polymer_LG-Chemical-NT-520-ABS-High-Flow-Non-Toxic.php

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in ³	ISO 1183
Water Absorption	0.30 %	0.30 %	ISO 62
Linear Mold Shrinkage	0.0030 - 0.0060 cm/cm	0.0030 - 0.0060 in/in	ISO 2577
Melt Index of Compound	42 g/10 min @Load 10.0 kg, Temperature 220 Â°C	42 g/10 min @Load 22.0 lb, Temperature 428 Â°F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	45.0 MPa	6530 psi	50 mm/min; ISO 527
Elongation at Break	12 %	12 %	50 mm/min; ISO 527
Elongation at Yield	5.0 %	5.0 %	50 mm/min; ISO 527
Tensile Modulus	2.30 GPa	334 ksi	1 mm/min; ISO 527
Flexural Yield Strength	67.0 MPa	9720 psi	2 mm/min; ISO 178
Flexural Modulus	2.20 GPa	319 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	14.0 kJ/m ² @Temperature -30.0 Â°C	6.66 ft-lb/in ² @Temperature -22.0 Â°F	ISO 180
	25.0 kJ/m ² @Temperature 23.0 Â°C	11.9 ft-lb/in ² @Temperature 73.4 Â°F	ISO 80
Charpy Impact Unnotched	8.50 J/cm ² @Temperature -30.0 Â°C	40.5 ft-lb/in ² @Temperature -22.0 Â°F	ISO 179
	NB @Temperature 23.0 Â°C	NB @Temperature 73.4 Â°F	ISO 179

Mechanical Properties Charpy Impact, Notched	1.40 J/cm ² Metric	6.66 ft-lb/in ² English	Comments ISO 179
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	2.60 J/cm ² @Temperature 23.0 °C	12.4 ft-lb/in ² @Temperature 73.4 °F	ISO 179

Thermal Properties	Metric	English	Comments
CTE, linear	95.0 Åµm/m-Å°C @Temperature 20.0 Å°C	52.8 Åµin/in-Å°F @Temperature 68.0 Å°F	ISO 11359
CTE, linear, Transverse to Flow	93.0 Åµm/m-Å°C @Temperature 20.0 Å°C	51.7 Åµin/in-Å°F @Temperature 68.0 Å°F	ISO 11359
Deflection Temperature at 0.46 MPa (66 psi)	97.0 Å°C	207 Å°F	Annealed, 80Å°C, 4 hours; ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	94.0 Å°C	201 Å°F	Annealed, 80Å°C, 4 hours; ISO 175
Vicat Softening Point	96.0 Å°C	205 Å°F	50 N, 50Å°C/h; ISO 306

Processing Properties	Metric	English	Comments
Melt Temperature	220 - 250 Å°C	428 - 482 Å°F	
Mold Temperature	40.0 - 80.0 Å°C	104 - 176 Å°F	
Drying Temperature	75.0 - 85.0 Å°C	167 - 185 Å°F	
Dry Time	2 - 4 hour	2 - 4 hour	Predrying

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