

## LG Chemical TR556 MABS, Transparency, Chemical Resistance

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

### Material Notes:

Feature: Injection Molding, Transparency, Chemical Resistance Application: Sound Proofing Wall, Canopy, Other Transparent Sheets CAS

No. 9011-14 and 9003-56-9 Information provided by LG Chemical

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_LG-Chemical-TR556-MABS-Transparency-Chemical-Resistance.php](http://www.lookpolymers.com/polymer_LG-Chemical-TR556-MABS-Transparency-Chemical-Resistance.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.09 g/cc	1.09 g/cc	ASTM D792
Melt Flow	4.0 g/10 min	4.0 g/10 min	ASTM D1238
	@Load 10.0 kg, Temperature 220 °C	@Load 22.0 lb, Temperature 428 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	109	109	ASTM D785
Tensile Strength, Yield	47.1 MPa	6830 psi	50 mm/min; ASTM D638
	@Thickness 3.20 mm	@Thickness 0.126 in	
Elongation at Break	30 %	30 %	50 mm/min; ASTM D638
	@Thickness 3.20 mm	@Thickness 0.126 in	
Flexural Yield Strength	73.5 MPa	10700 psi	15 mm/min; ASTM D790
	@Thickness 6.40 mm	@Thickness 0.252 in	
Flexural Modulus	2.16 GPa	313 ksi	15 mm/min; ASTM D790
	@Thickness 6.40 mm	@Thickness 0.252 in	
Izod Impact, Notched	1.77 J/cm	3.31 ft-lb/in	ASTM D256
	@Thickness 6.40 mm, Temperature 23.0 °C	@Thickness 0.252 in, Temperature 73.4 °F	
	1.77 J/cm	3.31 ft-lb/in	ASTM D256
	@Thickness 3.20 mm, Temperature 23.0 °C	@Thickness 0.126 in, Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	85.0 °C	185 °F	Unannealed; ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	
	50.0 °C	122 °F	

Thermal Properties	Metric	English	Comments
	@Thickness >=1.50 mm	@Thickness >=0.0591 in	
	50.0 Å°C	122 Å°F	
	@Thickness >=3.00 mm	@Thickness >=0.118 in	
UL RTI, Mechanical with Impact	50.0 Å°C	122 Å°F	
	@Thickness >=1.50 mm	@Thickness >=0.0591 in	
	50.0 Å°C	122 Å°F	
	@Thickness >=3.00 mm	@Thickness >=0.118 in	
UL RTI, Mechanical without Impact	50.0 Å°C	122 Å°F	
	@Thickness >=1.50 mm	@Thickness >=0.0591 in	
	50.0 Å°C	122 Å°F	
	@Thickness >=3.00 mm	@Thickness >=0.118 in	
Flammability, UL94	HB	HB	
	@Thickness >=1.50 mm	@Thickness >=0.0591 in	
	HB	HB	
	@Thickness >=3.00 mm	@Thickness >=0.118 in	

Optical Properties	Metric	English	Comments
Haze	2.6 %	2.6 %	ASTM D1003
Transmission, Visible	89 %	89 %	ASTM D1003

## Contact Songhan Plastic Technology Co.,Ltd.

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