

LG ABS TR551

Acrylonitrile Butadiene Styrene

LG Chem Ltd.

Message:

Description
High Transparency, High Rigidity, High Hardness, Chemical Resistance
Applications
Electric&Electronic Products

General Information			
UL YellowCard	E67171-100029194		
Features	Good Chemical Resistance		
	High Clarity		
	High Hardness		
	High Stiffness		
Uses	Electrical/Electronic Applications		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.13	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	8.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	116		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm)	56.9	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	30	%	ASTM D638
Flexural Modulus ³ (3.20 mm)	2550	MPa	ASTM D790
Flexural Strength ⁴ (Yield, 3.20 mm)	90.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
23°C, 3.20 mm	130	J/m	
23°C, 6.40 mm	130	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, 6.40 mm)	86.0	°C	ASTM D648
Optical	Nominal Value	Unit	Test Method
Haze	1.9	%	ASTM D1003
Additional Information	Nominal Value	Unit	Test Method
Transparency	90	%	ASTM D1003
Injection	Nominal Value	Unit	Test Method
Drying Temperature	80.0	°C	

Drying Time	2.0 to 4.0	hr
Suggested Max Moisture	0.010	%
Rear Temperature	190 to 210	°C
Middle Temperature	200 to 220	°C
Front Temperature	210 to 230	°C
Nozzle Temperature	210 to 240	°C
Processing (Melt) Temp	210 to 240	°C
Mold Temperature	40.0 to 70.0	°C
Back Pressure	29.4 to 58.8	MPa
Screw Speed	< 80	rpm

NOTE

- | | |
|----|-----------|
| 1. | 50 mm/min |
| 2. | 50 mm/min |
| 3. | 15 mm/min |
| 4. | 15 mm/min |

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