

LG ABS TR552

Acrylonitrile Butadiene Styrene

LG Chem Ltd.

Message:

Description
Transparency, High Impact
Applications
Electric&Electronic Products

General Information			
UL YellowCard	E67171-267956	E248280-100694460	
Features	Impact resistance, high		
	Good chemical resistance		
	Definition, high		
Uses	Electrical/Electronic Applications		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.06	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	11	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	99		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm)	39.2	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	35	%	ASTM D638
Flexural Modulus ³ (3.20 mm)	1740	MPa	ASTM D790
Flexural Strength ⁴ (3.20 mm)	57.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
23°C, 3.20 mm	240	J/m	ASTM D256
23°C, 6.40 mm	230	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.40 mm)	82.0	°C	ASTM D648
Optical	Nominal Value	Unit	Test Method
Transmittance	90.0	%	ASTM D1003
Haze	2.2	%	ASTM D1003
Injection	Nominal Value	Unit	
Drying Temperature	80.0 - 90.0	°C	
Drying Time	2.0 - 4.0	hr	
Rear Temperature	190 - 210	°C	

Middle Temperature	200 - 220	°C
Front Temperature	210 - 230	°C
Nozzle Temperature	210 - 240	°C
Processing (Melt) Temp	210 - 240	°C
Mold Temperature	40.0 - 60.0	°C
Back Pressure	29.4 - 58.8	MPa
Screw Speed	< 80	rpm

Injection instructions

Minimum Moisture Content: 0.01%

NOTE

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

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