

LG ABS TR558A

Acrylonitrile Butadiene Styrene

LG Chem Ltd.

Message:

Description
Transparency, General Purpose
Application
Electric/Electronic Products

General Information			
UL YellowCard	E248280-100694464	E67171-248409	
Features	General		
Uses	Electrical/Electronic Applications		
RoHS Compliance	RoHS compliance		
Appearance	Clear/transparent		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.09	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	23	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	113		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm)	51.0	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	35	%	ASTM D638
Flexural Modulus ³ (3.20 mm)	2350	MPa	ASTM D790
Flexural Strength ⁴ (3.20 mm)	77.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
23°C, 3.20 mm	130	J/m	ASTM D256
23°C, 6.40 mm	130	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.40 mm)	85.0	°C	ASTM D648
Optical	Nominal Value	Unit	Test Method
Transmittance	88.0	%	ASTM D1003
Haze	2.0	%	ASTM D1003
Injection	Nominal Value	Unit	
Drying Temperature	80.0 - 90.0	°C	
Drying Time	2.0 - 4.0	hr	
Rear Temperature	180 - 200	°C	
Middle Temperature	190 - 210	°C	
Front Temperature	200 - 220	°C	

Nozzle Temperature	200 - 230	°C
Processing (Melt) Temp	200 - 230	°C
Mold Temperature	40.0 - 60.0	°C
Back Pressure	29.4 - 58.8	MPa
Screw Speed	30 - 60	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

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

