

LG ABS TR556

Acrylonitrile Butadiene Styrene

LG Chem Ltd.

Message:

LG ABS TR556 is an Acrylonitrile Butadiene Styrene (ABS) material. It is available in Asia Pacific, Europe, Latin America, or North America for extrusion or injection molding.

Important attributes of LG ABS TR556 are:

- Flame Rated
- RoHS Compliant
- Chemical Resistant
- Clarity

Typical application of LG ABS TR556: Sheet

General Information		
UL YellowCard	E67171-248421	E248280-553618
Features	Good Chemical Resistance	
	High Clarity	
Uses	Clear Sheet	
	Sheet	
RoHS Compliance	RoHS Compliant	
UL File Number	E67171	
Appearance	Clear/Transparent	
Processing Method	Extrusion	
	Injection Molding	

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)	4.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	109		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm)	47.1	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	30	%	ASTM D638
Flexural Modulus ³ (3.20 mm)	2160	MPa	ASTM D790
Flexural Strength ⁴ (3.20 mm)	73.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
23°C, 3.20 mm	180	J/m	
23°C, 6.40 mm	180	J/m	
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.40 mm)	85.0	°C	ASTM D648
RTI Elec			UL 746
1.50 mm	50.0	°C	
3.00 mm	50.0	°C	
RTI Imp			UL 746
1.50 mm	50.0	°C	
3.00 mm	50.0	°C	
RTI Str			UL 746
1.50 mm	50.0	°C	
3.00 mm	50.0	°C	
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.50 mm, ALL	HB		
3.00 mm, ALL	HB		
Optical	Nominal Value	Unit	Test Method
Transmittance	89.0	%	ASTM D1003
Haze	2.6	%	ASTM D1003
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	15 mm/min		
4.	15 mm/min		

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