LG ABS LG703W

Acrylonitrile Butadiene Styrene

LG Chem Ltd.

Message:

Description
Low Gloss, Heat Resistance
Applications
Automobiles Interior Housing (Column Cover, Fillar Etc)

General Information			
UL YellowCard	E67171-100733305		
Features	Gloss, low Heat resistance, high		
Uses	Application in Automobile Field Car interior parts Shell		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.04	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	9.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.40 - 0.70	%	ASTM D955
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	105		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [1] (Yield, 3.20 mm)	46.1	MPa	ASTM D638
Tensile Elongation [2] (Break, 3.20 mm)	15	%	ASTM D638
Flexural Modulus [3] (3.20 mm)	2300	MPa	ASTM D790
Flexural Strength [4] (3.20 mm)	71.6	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact			ASTM D256
-30°C, 3.20 mm	98	J/m	ASTM D256
-30°C, 6.40 mm	88	J/m	ASTM D256
23°C, 3.20 mm	290	J/m	ASTM D256
23°C, 6.40 mm	260	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648
0.45 MPa, unannealed, 6.40mm	98.0	°C	ASTM D648
1.8 MPa, unannealed, 6.40mm	90.0	°C	ASTM D648

Vicat Softening Temperature	98.0	°C	ASTM D1525
RTI Elec	60.0	°C	UL 746
RTI Imp	60.0	°C	UL 746
RTI	60.0	°C	UL 746
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Optical	Nominal Value		Test Method
Gloss (45°)	30		ASTM D2457
Injection	Nominal Value	Unit	
Drying Temperature	80.0 - 90.0	°C	
Drying Time	3.0 - 4.0	hr	
Rear Temperature	180 - 220	°C	
Middle Temperature	200 - 220	°C	
Front Temperature	220 - 230	°C	
Nozzle Temperature	220 - 230	°C	
Processing (Melt) Temp	190 - 210	°C	
Mold Temperature	40.0 - 60.0	°C	
Back Pressure	0.981 - 2.94	MPa	
Injection instructions			
Minimum Moisture Content: <0.07%			
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	15 mm/min		
4.	15 mm/min		

Recommended distributors for this material

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