

LG ABS BM662B

Acrylonitrile Butadiene Styrene

LG Chem Ltd.

Message:

LG ABS BM662B is an acrylonitrile butadiene styrene (ABS) material. This product is available in North America, Latin America, Europe or Asia Pacific. The processing method is blow molding. The main characteristics of LG ABS BM662B are: heat resistance.

Typical application areas include:

Automotive Industry

House

General Information			
Features	Heat resistance, high		
Uses	Car anti-collision bar		
	Application in Automobile Field		
	Automotive exterior parts		
	Shell		
Processing Method	Blow molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	2.0	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)	100		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)	2060	MPa	ASTM D790
Flexural Strength ⁴ (3.20 mm)	69.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C, 3.20 mm	69	J/m	ASTM D256
-30°C, 6.40 mm	59	J/m	ASTM D256
23°C, 3.20 mm	160	J/m	ASTM D256
23°C, 6.40 mm	160	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, unannealed, 6.40mm	110	°C	ASTM D648
1.8 MPa, unannealed, 6.40mm	103	°C	ASTM D648
Vicat Softening Temperature	110	°C	ASTM D1525
Extrusion	Nominal Value	Unit	

Drying Temperature	80.0 - 90.0	°C
Drying Time	3.0 - 4.0	hr
Cylinder Zone 1 Temp.	180 - 200	°C
Cylinder Zone 2 Temp.	190 - 210	°C
Cylinder Zone 3 Temp.	190 - 210	°C
Cylinder Zone 4 Temp.	200 - 220	°C
Adapter Temperature	220	°C
Melt Temperature	200 - 210	°C
Die Temperature	220	°C

Extrusion instructions

Processing information given is for Blow Molding. Minimum Moisture Content: <0.07%

NOTE

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

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