

LG ABS ER460

Acrylonitrile Butadiene Styrene

LG Chem Ltd.

Message:

LG ABS ER460 is an acrylonitrile butadiene styrene (ABS) material. This product is available in North America, Latin America, Europe or Asia Pacific. The processing method is injection molding.

The main features of LG ABS ER460 are:

- high liquidity
- Heat resistance

Typical application areas include:

- Electrical/electronic applications
- Automotive Industry

General Information			
Features	High liquidity		
	Heat resistance, medium		
Uses	Electrical/Electronic Applications		
	Application in Automobile Field		
Processing Method	Injection 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)	23	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)	108		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹ (3.20 mm)	2160	MPa	ASTM D638
Tensile Strength ² (Yield, 3.20 mm)	48.1	MPa	ASTM D638
Tensile Elongation ³ (Break, 3.20 mm)	50	%	ASTM D638
Flexural Modulus ⁴ (3.20 mm)	255	MPa	ASTM D790
Flexural Strength ⁵ (3.20 mm)	78.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C, 3.20 mm	120	J/m	ASTM D256
-30°C, 6.40 mm	110	J/m	ASTM D256
23°C, 3.20 mm	250	J/m	ASTM D256
23°C, 6.40 mm	250	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, unannealed, 6.40mm	96.0	°C	ASTM D648

1.8 MPa, unannealed, 6.40mm	91.0	°C	ASTM D648
Vicat Softening Temperature	97.0	°C	ASTM D1525
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°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	210 - 240	°C	
Mold Temperature	40.0 - 70.0	°C	
Back Pressure	29.4 - 58.8	MPa	
Screw Speed	30 - 60	rpm	

Injection instructions

Minimum Moisture Content: 0.01%

NOTE	
1.	1.0 mm/min
2.	50 mm/min
3.	50 mm/min
4.	15 mm/min
5.	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



WECHAT