

LG ABS HF390

Acrylonitrile Butadiene Styrene

LG Chem Ltd.

Message:

- Description
- High Flow
- Application
- Electric/electronic products

General Information			
Features	High liquidity		
Uses	Electrical/Electronic Applications		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04 - 1.07	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	64	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)	109		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm)	43.1	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	> 10	%	ASTM D638
Flexural Modulus ³ (3.20 mm)	2550	MPa	ASTM D790
Flexural Strength ⁴ (3.20 mm)	68.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	240	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.40 mm)	86.0	°C	ASTM D648
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			UL 94
1.5 mm	HB		UL 94
3.0 mm	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	70 - 80	°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 - 70	°C
Back Pressure	0.490 - 1.47	MPa
Screw Speed	30 - 50	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

