

LG ABS HF388H

Acrylonitrile Butadiene Styrene

LG Chem Ltd.

Message:

LG ABS HF388H is an Acrylonitrile Butadiene Styrene (ABS) material. It is available in Asia Pacific, Europe, Latin America, or North America for injection molding.

Important attributes of LG ABS HF388H are:

Flame Rated

High Gloss

Typical application of LG ABS HF388H: Electrical/Electronic Applications

General Information			
Features	High Gloss		
Uses	Electrical/Electronic Applications		
	Electronic Displays		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04 to 1.06	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	48	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.40 to 0.70	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	110		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm)	45.1	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	> 5.0	%	ASTM D638
Flexural Modulus ³ (3.20 mm)	2600	MPa	ASTM D790
Flexural Strength ⁴ (3.20 mm)	71.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	150	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.40 mm)	84.0	°C	ASTM D648
Vicat Softening Temperature	93.0	°C	ASTM D1525 ⁵
RTI Elec	60.0	°C	UL 746
RTI Imp	60.0	°C	UL 746
RTI Str	60.0	°C	UL 746
Flammability	Nominal Value	Test Method	
Flame Rating	HB	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	

Drying Time	2.0 to 4.0	hr
Minimum Moisture Content	0.010	%
Rear Temperature	180 to 220	°C
Middle Temperature	190 to 230	°C
Front Temperature	200 to 240	°C
Nozzle Temperature	200 to 240	°C
Processing (Melt) Temp	210 to 240	°C
Mold Temperature	40.0 to 70.0	°C
Back Pressure	0.490 to 1.47	MPa
Screw Speed	30 to 60	rpm

NOTE

1. 50 mm/min
2. 50 mm/min
3. 15 mm/min
4. 15 mm/min
5. Rate A (50°C/h), Loading 2 (50 N)

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

