

LG ABS AF312C

Acrylonitrile Butadiene Styrene

LG Chem Ltd.

Message:

Description
Flame Retardant
Application
Electric/Electronic Applications(TV, Monitor Housing)
IT/OA device

General Information			
UL YellowCard	E248280-462775	E67171-248339	
Features	Flame Retardant		
Uses	Electrical/Electronic Applications		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	58	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)	104		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)	45.1	MPa	ASTM D638
Tensile Elongation ³			ASTM D638
Yield, 3.20 mm	5.0	%	
Break, 3.20 mm	20	%	
Flexural Modulus ⁴ (6.40 mm)	2550	MPa	ASTM D790
Flexural Strength ⁵ (Yield, 6.40 mm)	68.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C, 3.20 mm	78	J/m	
-30°C, 6.40 mm	78	J/m	
23°C, 3.20 mm	260	J/m	
23°C, 6.40 mm	230	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 6.40 mm ⁶	84.0	°C	
0.45 MPa, Unannealed, 6.40 mm ⁷	76.0	°C	
Vicat Softening Temperature	84.0	°C	ASTM D1525 ⁸
RTI Elec	80.0	°C	UL 746

RTI Imp	70.0	°C	UL 746
RTI Str	80.0	°C	UL 746
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
2.50 mm	V-0		
3.00 mm	V-0		
Injection	Nominal Value	Unit	
Drying Temperature	70.0 to 80.0	°C	
Drying Time	2.0 to 4.0	hr	
Suggested Max Moisture	< 0.010	%	
Rear Temperature	170 to 190	°C	
Middle Temperature	180 to 200	°C	
Front Temperature	190 to 210	°C	
Nozzle Temperature	200 to 230	°C	
Processing (Melt) Temp	200 to 230	°C	
Mold Temperature	40.0 to 60.0	°C	
Back Pressure	0.490 to 0.981	MPa	
Screw Speed	30 to 60	rpm	
NOTE			
1.	1.0 mm/min		
2.	50 mm/min		
3.	50 mm/min		
4.	15 mm/min		
5.	15 mm/min		
6.	4.6kg		
7.	18.6kg		
8.	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



WECHAT