

POLYLAC® PA-747F

Acrylonitrile Butadiene Styrene

CHI MEI CORPORATION

Message:

POLYLAC® PA-747F is an Acrylonitrile Butadiene Styrene (ABS) product. It can be processed by extrusion and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.

Characteristics include:

Flame Rated

RoHS Compliant

General Information			
UL YellowCard	E56070-245720	E56070-245718	
RoHS Compliance	RoHS Compliant		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	1.05	g/cm ³	ASTM D792
23°C	1.05	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ASTM D1238
200°C/5.0 kg	0.30	g/10 min	
220°C/10.0 kg	3.0	g/10 min	
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	3.30	cm ³ /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	115		ASTM D785
Ball Indentation Hardness (H 358/30)	99.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			
Yield	46.0	MPa	ISO 527-2/50
Break	35.0	MPa	ISO 527-2/50
3.00 mm ¹	47.6	MPa	ASTM D638
Tensile Elongation			
Break, 3.00 mm ²	35	%	ASTM D638
Break	20	%	ISO 527-2/50
Flexural Modulus			
6.00 mm ³	2550	MPa	ASTM D790
-- ⁴	1900	MPa	ISO 178
Flexural Strength			
6.00 mm ⁵	71.6	MPa	ASTM D790
-- ⁶	66.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	27	kJ/m ²	ISO 179

Notched Izod Impact			
23°C, 3.00 mm	310	J/m	ASTM D256
23°C, 6.00 mm	250	J/m	ASTM D256
--	25	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
1.8 MPa, Unannealed	85.0	°C	ASTM D648
1.8 MPa, Unannealed	89.0	°C	ISO 75-2/A
1.8 MPa, Annealed	95.0	°C	ASTM D648
1.8 MPa, Annealed	100	°C	ISO 75-2/A
Vicat Softening Temperature			
--	106	°C	ASTM D1525, ISO 306/A50 6 ⁷
--	101	°C	ISO 306/B50
Flammability	Nominal Value	Test Method	
Flame Rating (1.60 mm)	HB	UL 94	
Extrusion	Nominal Value	Unit	
Drying Temperature	80.0 to 85.0	°C	
Drying Time	2.0 to 4.0	hr	
Cylinder Zone 1 Temp.	190 to 210	°C	
Cylinder Zone 3 Temp.	210 to 240	°C	
Cylinder Zone 5 Temp.	220 to 250	°C	
Die Temperature	200 to 250	°C	
NOTE			
1.	6.0 mm/min		
2.	6.0 mm/min		
3.	2.8 mm/min		
4.	2.0 mm/min		
5.	2.8 mm/min		
6.	2.0 mm/min		
7.	Rate A (50°C/h)		

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