

POLYLAC® PA-777B

Acrylonitrile Butadiene Styrene

CHI MEI CORPORATION

Message:

POLYLAC® PA-777B is an Acrylonitrile Butadiene Styrene (ABS) product. It can be processed by injection molding and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Typical application: Automotive.

Characteristics include:

Flame Rated

RoHS Compliant

General Information			
UL YellowCard	E56070-245744		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.03	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	7.5	g/10 min	ASTM D1238
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	7.50	cm ³ /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	112		ASTM D785
Ball Indentation Hardness (H 358/30)	91.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			
Yield	45.0	MPa	ISO 527-2/50
Break	34.0	MPa	ISO 527-2/50
3.00 mm ¹	42.7	MPa	ASTM D638
Tensile Elongation			
Break, 3.00 mm ²	15	%	ASTM D638
Break	18	%	ISO 527-2/50
Flexural Modulus			
6.00 mm ³	2160	MPa	ASTM D790
-- ⁴	2200	MPa	ISO 178
Flexural Strength			
6.00 mm ⁵	63.7	MPa	ASTM D790
-- ⁶	70.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	20	kJ/m ²	ISO 179
Notched Izod Impact			
23°C, 3.00 mm	230	J/m	ASTM D256
23°C, 6.00 mm	200	J/m	ASTM D256

--	19	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
1.8 MPa, Unannealed	97.0	°C	ASTM D648
1.8 MPa, Unannealed	95.0	°C	ISO 75-2/A
1.8 MPa, Annealed	107	°C	ASTM D648
1.8 MPa, Annealed	105	°C	ISO 75-2/A
Vicat Softening Temperature			
--	115	°C	ASTM D1525 ⁷
--	113	°C	ISO 306/A50
--	105	°C	ISO 306/B50
Flammability	Nominal Value	Test Method	
Flame Rating (1.60 mm)	HB	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	90.0 to 95.0	°C	
Drying Time	3.0	hr	
Rear Temperature	220 to 240	°C	
Middle Temperature	230 to 250	°C	
Front Temperature	230 to 250	°C	
Mold Temperature	30.0 to 70.0	°C	
Injection Pressure	4.90 to 6.86	MPa	
Holding Pressure	3.92 to 5.88	MPa	
Back Pressure	0.490 to 1.47	MPa	
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