

POLYLAC® PA-709H

Acrylonitrile Butadiene Styrene

CHI MEI CORPORATION

Message:

POLYLAC®PA-709H is an acrylonitrile butadiene styrene (ABS) product. It can be processed by extrusion and is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. The main characteristics are: flame retardant/rated flame.

General Information			
Processing Method		Extrusion	
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.03	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	4.00	cm³/10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	75.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2/50
Yield	36.0	MPa	ISO 527-2/50
Fracture	28.0	MPa	ISO 527-2/50
Tensile Strain (Break)	30	%	ISO 527-2/50
Flexural Modulus ¹	1500	MPa	ISO 178
Flexural Stress ²	51.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	42	kJ/m²	ISO 179
Notched Izod Impact	31	kJ/m²	ISO 180/1A
Impact Flexural Test - Notched	25.0	kJ/m²	ISO 179/2C
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			ISO 75-2/A
1.8 MPa, not annealed	86.0	°C	ISO 75-2/A
1.8 MPa, annealed	96.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	104	°C	ISO 306/A50
--	106	°C	ISO 306/A120
--	98.0	°C	ISO 306/B50
--	102	°C	ISO 306/B120
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	HB		UL 94
NOTE			
1.	2.0 mm/min		
2.	2.0 mm/min		

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