

POLYLAC® PA-765

Acrylonitrile Butadiene Styrene
CHI MEI CORPORATION

PROSPECTOR®

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Technical Data

Product Description

F.R. High flow

General

Material Status	• Commercial: Active
Literature ¹	• Technical Datasheet (English)
UL Yellow Card ²	• E56070-565073
Search for UL Yellow Card	• CHI MEI CORPORATION • POLYLAC®
Availability	• Africa & Middle East • Asia Pacific • Europe • Latin America • North America
Additive	• Flame Retardant
Features	• Flame Retardant • High Flow
RoHS Compliance	• RoHS Compliant
Resin ID (ISO 1043)	• >ABS-FR(17)<

Physical

	Nominal Value Unit	Test Method
Density (23°C)	1.19 g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	58 cm ³ /10min	ISO 1133
Molding Shrinkage	0.30 to 0.60 %	ISO 294-4

Mechanical

	Nominal Value Unit	Test Method
Tensile Stress		ISO 527-2/50
Yield	38.0 MPa	
Break	29.0 MPa	
Tensile Strain (Break)	10 %	ISO 527-2/50
Flexural Modulus ⁴	1800 MPa	ISO 178
Flexural Stress ⁴	55.0 MPa	ISO 178

Impact

	Nominal Value Unit	Test Method
Charpy Notched Impact Strength		ISO 179
-30°C	10 kJ/m ²	
23°C	22 kJ/m ²	
Notched Izod Impact Strength		ISO 180/1A
-30°C	9.0 kJ/m ²	
23°C	21 kJ/m ²	

Thermal

	Nominal Value Unit	Test Method
Deflection Temperature Under Load		ISO 75-2/A
1.8 MPa, Unannealed	74.0 °C	
1.8 MPa, Annealed	83.0 °C	
Vicat Softening Temperature		
--	78.0 °C	ISO 306/B50
--	91.0 °C	ISO 306/A50
CLTE - Flow	8.4E-5 cm/cm/°C	ISO 11359-2



Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.0 mm		V-1	
1.5 mm	•	V-0	
2.5 mm	•	5VB	
		5VA	

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² A UL Yellow Card contains UL-verified flammability and electrical characteristics. UL Prospector continually works to link Yellow Cards to individual plastic materials in Prospector, however this list may not include all of the appropriate links. It is important that you verify the association between these Yellow Cards and the plastic material found in Prospector. For a complete listing of Yellow Cards, visit the UL Yellow Card Search.

³ Typical properties: these are not to be construed as specifications.

⁴ 2.0 mm/min

