

POLYlux MP4010

Polycarbonate + PBT
Polykemi AB

Message:
PC/PBT-Blend

General Information			
Physical	Nominal Value	Unit	Test Method
Density	1.23	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
250°C/5.0 kg	37	g/10 min	
260°C/2.16 kg	22	g/10 min	
Molding Shrinkage			ISO 294-4
Across Flow	0.70 to 1.0	%	
Flow	0.70 to 1.0	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	55.0	MPa	ISO 527-2
Flexural Modulus (23°C)	2200	MPa	ISO 178
Flexural Stress	85.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-20°C	15	kJ/m ²	
23°C	55	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-30°C	No Break		
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ¹			
0.45 MPa, Unannealed	107	°C	ISO 75-2/B
1.8 MPa, Unannealed	85.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	154	°C	ISO 306/A50
--	123	°C	ISO 306/B50
NOTE			
1.	120°C/hr		

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