

POLYabs F20

Acrylonitrile Butadiene Styrene

Polykemi AB

Message:

POLYabs F20 is an Acrylonitrile Butadiene Styrene (ABS) product. It is available in Asia Pacific or Europe. Primary characteristic: flame rated.

General Information			
UL YellowCard	E122538-221283		
UL File Number	E122538		
Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/5.0 kg)	18	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	0.60 to 0.80	%	
Flow	0.60 to 0.80	%	
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	95.7	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	43.0	MPa	ISO 527-2
Tensile Strain (Yield)	5.5	%	ISO 527-2
Flexural Modulus (23°C)	2300	MPa	ISO 178
Flexural Stress	78.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-20°C	11	kJ/m ²	
23°C	16	kJ/m ²	
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ¹			
0.45 MPa, Unannealed	87.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	76.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	106	°C	ISO 306/A50
--	100	°C	ISO 306/B50
Flammability	Nominal Value		Test Method
Flame Rating (1.60 mm)	HB		UL 94
NOTE			
1.	120°C/hr		

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