

POLYabs V0E

Acrylonitrile Butadiene Styrene
Polykemi AB

Message:
Flame retardant

General Information			
UL YellowCard	E122538-221281		
Additive	Flame Retardant		
Features	Flame Retardant		
UL File Number	E122538		
Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/5.0 kg)	15	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	0.50 to 0.70	%	
Flow	0.50 to 0.70	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	40.0	MPa	ISO 527-2
Tensile Strain (Yield)	6.0	%	ISO 527-2
Flexural Modulus (23°C)	2000	MPa	ISO 178
Flexural Stress	70.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-20°C	8.0	kJ/m ²	
23°C	18	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ¹			
0.45 MPa, Unannealed	83.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	73.0	°C	ISO 75-2/A
Vicat Softening Temperature	90.0	°C	ISO 306/B50
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	V-0		UL 94
Glow Wire Ignition Temperature (2.00 mm)	960	°C	IEC 60695-2-13
NOTE			
1.	120°C/hr		

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