

SCANTEC PC 85FR

Polycarbonate

Polykemi AB

Message:

Flame retardant Halogene free

General Information	
UL YellowCard	E122538-102069333
Additive	Flame Retardant
Features	Flame Retardant
	Halogen Free

Physical	Nominal Value	Unit	Test Method
Density	1.19	g/cm ³	ISO 1183
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	50.0	MPa	ISO 527-2
Tensile Strain (Yield)	6.0	%	ISO 527-2
Flexural Modulus (23°C)	2300	MPa	ISO 178
Flexural Stress	95.0	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-20°C	15	kJ/m ²	
23°C	25	kJ/m ²	

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ¹			
0.45 MPa, Unannealed	105	°C	ISO 75-2/B
1.8 MPa, Unannealed	95.0	°C	ISO 75-2/A
Vicat Softening Temperature	110	°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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