

SCANTEC PC S85R

Polycarbonate
Polykemi AB

Message:

SCANTEC PC S85R is a Polycarbonate (PC) product. It is available in Asia Pacific or Europe. Primary characteristic: flame rated.

General Information			
Physical	Nominal Value	Unit	Test Method
Density	1.20	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	60.0	MPa	ISO 527-2
Tensile Strain (Yield)	6.0	%	ISO 527-2
Flexural Modulus (23°C)	2200	MPa	ISO 178
Flexural Stress	100	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	137	°C	ISO 75-2/B
1.8 MPa, Unannealed	127	°C	ISO 75-2/A
Vicat Softening Temperature			
--	144	°C	ISO 306/A50
--	139	°C	ISO 306/B50
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	V-2		UL 94
Glow Wire Ignition Temperature (2.00 mm)	850	°C	IEC 60695-2-13
NOTE			
1.	120°C/hr		

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