

# SCANTEC PC S75R

Polycarbonate  
Polykemi AB



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## Technical Data

### General

Material Status	• Commercial: Active
UL Yellow Card <sup>1</sup>	• <a href="#">E122538-221311</a>
Search for UL Yellow Card	• <a href="#">Polykemi AB</a>
Availability	• Asia Pacific • Europe
UL File Number	• E122538

Physical	Nominal Value Unit	Test Method
Density	1.20 g/cm <sup>3</sup>	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 Strength	100 MPa	ISO 178

Impact	Nominal Value Unit	Test Method
Charpy Notched Impact Strength		ISO 179
-20°C	30 kJ/m <sup>2</sup>	
23°C	40 kJ/m <sup>2</sup>	

Thermal	Nominal Value Unit	Test Method
Heat Deflection Temperature <sup>3</sup>		
0.45 MPa, Unannealed	140 °C	ISO 75-2/B
1.8 MPa, Unannealed	130 °C	ISO 75-2/A
Vicat Softening Temperature		
--	145 °C	ISO 306/A50
--	140 °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

### Notes

<sup>1</sup> A UL Yellow Card contains UL-verified flammability and electrical characteristics. UL IDES continually works to link Yellow Cards to individual plastic materials in Prospector, however this list may not include all of the appropriate links. It is important that you verify the association between these Yellow Cards and the plastic material found in Prospector. For a complete listing of Yellow Cards, visit the UL Yellow Card Search.

<sup>2</sup> Typical properties: these are not to be construed as specifications.

<sup>3</sup> 120°C/hr

## SCANTEC PC S75R

Polycarbonate

**Polykemi AB**

### Where to Buy

#### Supplier

**Polykemi AB**

Ystad, Sweden

**Telephone:** 46-0-411-170-30

**Web:** <http://www.polykemi.se/>

#### Distributor

Please contact the supplier to find a distributor for SCANTEC PC S75R



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– Birgit Elvardt Bader, Production Manager, Micotron

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