



# Sicoklar® E51.30

## Ravago Manufacturing Europe - Polycarbonate

### General Information

#### Product Description

PC, 30 % glass fibre filled grade

#### General

Material Status	• Commercial: Active
Availability	• Europe • North America
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight

### Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density	1.42	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	7.0	g/10 min	ISO 1133
Molding Shrinkage	0.20 to 0.30	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break, 23°C)	110	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	4.0	%	ISO 527-2
Flexural Modulus (23°C)	8300	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180
-30°C	5.0	kJ/m <sup>2</sup>	
23°C	7.0	kJ/m <sup>2</sup>	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ISO 75-2/A
1.8 MPa, Unannealed	145	°C	
Vicat Softening Temperature			
--	147	°C	ISO 306/B50
--	153	°C	ISO 306/A50
Ball Pressure Test (125°C)	Pass		IEC 60695-10-2
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	IEC 60093
Volume Resistivity	1.0E+15	ohms·cm	IEC 60093
Electric Strength (1.00 mm, in Oil)	17	kV/mm	IEC 60243-1
Comparative Tracking Index	250	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.6 mm	V-2		
3.2 mm	V-0		
Glow Wire Flammability Index (2.0 mm)	850	°C	IEC 60695-2-12

#### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.