

Sicoklar E21.15

Polycarbonate
Ravago Group

Message:
PC, injection molding grade food contact approved

General Information			
Features	Food Contact Acceptable		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	15	g/10 min	ISO 1133
Molding Shrinkage	0.50 to 0.70	%	ISO 2577
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield	63.0	MPa	
Break	58.0	MPa	
Tensile Strain (Break)	70	%	ISO 527-2
Flexural Modulus	2400	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180/1A
-30°C	15	kJ/m ²	
23°C	60	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Annealed)	140	°C	ISO 75-2/A
Vicat Softening Temperature			
--	150	°C	ISO 306/A50
--	144	°C	ISO 306/B50
Ball Pressure Test (125°C)	Pass		
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 ¹			Internal Method
3.20 mm	HB		
0.750 mm	V-2		
1.60 mm	V-2		

Glow Wire Flammability Index (2.00 mm)	850	°C	IEC 60695-2-12
NOTE			

1.	UL94 internally tested
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