

Sicoklar E81.22

Polycarbonate
Ravago Group

Message:

PC, high flow V0 flame retardant grade only available in opaque colors

General Information			
Additive	Flame Retardant		
Features	Flame Retardant		
	High Flow		
Appearance	Colors Available		
	Opaque		
Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	22	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	55.0	MPa	
Break	50.0	MPa	
Tensile Strain (Break)	50	%	ISO 527-2
Flexural Modulus	2400	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180/1A
-30°C	10	kJ/m ²	
23°C	50	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Annealed)	130	°C	ISO 75-2/A
Vicat Softening Temperature			
--	145	°C	ISO 306/A50
--	140	°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	225	V	IEC 60112

Flammability	Nominal Value	Unit	Test Method
Flame Rating ¹			Internal Method
0.750 mm	V-2		
1.60 mm	V-0		
3.20 mm	V-0		
Glow Wire Flammability Index (2.00 mm)	960	°C	IEC 60695-2-12
NOTE			
1.	UL94 internally tested		

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