

Sicoklar E81.15

Polycarbonate
Ravago Group

Message:

PC, V0 flame retardant grade only available in opaque colors

General Information			
Additive	Flame Retardant		
Features	Flame Retardant		
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)	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	60.0	MPa	
Break	55.0	MPa	
Tensile Strain (Break)	50	%	
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	55	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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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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