

Sicoklar UG81

Polycarbonate

Ravago Group

Message:

PC, high flow, V0 flame retardant

General Information			
Additive	Flame Retardant		
Recycled Content	Yes		
Features	Flame Retardant		
	High Flow		

Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	20	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	50.0	MPa	
Break	40.0	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	40	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		

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			
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Recommended distributors for this material

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

