

Sicoklar E01.22

Polycarbonate
Ravago Group

PROSPECTOR[®]

www.ulprospector.com

Technical Data

Product Description

PC, high flow grade

General

Material Status • Commercial: Active

Search for UL Yellow Card • Ravago Group
• Sicoklar

Availability • Europe

Features • 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)	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	60.0 MPa	
Break	57.0 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	10 kJ/m ²	
23°C	55 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 ²		Internal Method
3.2 mm	HB	
0.75 mm	V-2	
1.6 mm	V-2	
Glow Wire Flammability Index (2.0 mm)	850 °C	IEC 60695-2-12

Notes

¹ Typical properties: these are not to be construed as specifications.

² UL94 internally tested



Sicoklar E01.22

Polycarbonate

Ravago Group

PROSPECTOR®

www.ulprospector.com

Where to Buy

Supplier

Ravago Group

, Belgium

Telephone: +32-14-672511

Web: <http://www.ravago.com/>

Distributor

RESINEX Group

RESINEX is a Pan European distribution company. Contact RESINEX for availability of individual products by country.

Telephone: +32-14-672511

Web: <http://www.resinex.com/>

Availability: Europe

Ultrapolymers

Ultrapolymers is a Pan European distribution company. Contact Ultrapolymers for availability of individual products by country.

Telephone: +32-11-57-95-57

Web: <http://www.ultrapolymers.com/>

Availability: Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Denmark, Estonia, Finland, France, Germany, Hungary, Ireland, Italy, Latvia, Lithuania, Macedonia, Netherlands, Norway, Portugal, Romania, Serbia, Slovakia, Slovenia, Sweden, Turkey, United Kingdom

