

SITRALON 15E-UV-V0 / C9180 weiss

Polycarbonate
SITRAPLAS GmbH

Message:

Material: Polycarbonate, General Type
Application areas: Electrical and electronic equipments e. g. switches, relays, motor housing, fuse cases, keyboards, chip carriers, connectors, telecommunication equipment
Highlights: UV - Stabilize, enhanced fire resistance

General Information			
Additive	UV Stabilizer		
Features	Flame Retardant		
	Good UV Resistance		
Uses	Connectors		
	Electric Motor Housings		
	Electrical/Electronic Applications		
	Switches		
	Telecommunications		
Resin ID (ISO 1043)	>PC-FR<		
Physical	Nominal Value	Unit	Test Method
Density	1.21	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	16	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (300°C/1.2 kg)	14.0	cm³/10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2400	MPa	ISO 527-2/1
Tensile Stress			
Yield	63.0	MPa	ISO 527-2/50
Break	50.0	MPa	ISO 527-2/5
Tensile Strain			
Yield	8.0	%	ISO 527-2/50
Break	4.0	%	ISO 527-2/5
Nominal Tensile Strain at Break	> 50	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	12	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	141	°C	ISO 306/B50
Flammability	Nominal Value	Unit	Test Method

Flame Rating (1.50 mm)	V-0		UL 94
Glow Wire Flammability Index (1.00 mm)	960	°C	IEC 60695-2-12
Glow Wire Ignition Temperature (1.00 mm)	875	°C	IEC 60695-2-13

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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



WECHAT