

SITRALON 11E-UV-V0 / C5010

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: Flame retarded, UV -Stabilized

General Information			
Additive	Flame Retardant		
	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	1.20	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (300°C/1.2 kg)	11.0	cm ³ /10min	ISO 1133
Molding Shrinkage ¹	0.50 to 0.80	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2400	MPa	ISO 527-2/1
Tensile Stress			
Yield	60.0	MPa	ISO 527-2/50
Break	50.0	MPa	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)	45	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	140	°C	ISO 306/B50
Flammability	Nominal Value	Test Method	
Flame Rating (1.50 mm)	V-0	UL 94	

NOTE

1. 60 x 60 x 2 mm

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Recommended distributors for this material

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