

Sicostirolo 683V0

High Impact Polystyrene

Ravago Group

Message:

HIPS V0 flame retardant grade PBDE free improved light stability

General Information			
UL YellowCard	E103497-218248		
Additive	Flame Retardant		
Features	Flame Retardant		
	Good UV Resistance		

Physical	Nominal Value	Unit	Test Method
Density	1.16	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	8.0	g/10 min	ISO 1133
Molding Shrinkage	0.40 to 0.60	%	ISO 2577

Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield	25.0	MPa	
Break	22.0	MPa	
Tensile Strain (Break)	40	%	ISO 527-2
Flexural Modulus	2200	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	9.0	kJ/m ²	ISO 180

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Annealed)	85.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	100	°C	ISO 306/A50
--	94.0	°C	ISO 306/B50

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)	50	kV/mm	IEC 60243-1
Comparative Tracking Index	400	V	IEC 60112

Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.60 mm	V-0		
3.20 mm	V-0		
Glow Wire Flammability Index (2.00 mm)	960	°C	IEC 60695-2-12

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