

Sicostirolo® 682V0

Technical DataSheet | Supplied by Ravago

Sicostirolo® 682V0 by Ravago is a flame retardant high impact polystyrene (HIPS) grade. Sicostirolo® 682V0 by Ravago meets UL 94 V-0 flame rating.

Product Type	PS or GPPS (Polystyrene) > HIPS
Product Status	COMMERCIAL
Geographical Availability	Central and Eastern Europe, Western Europe
Labels/Agency Rating	UL 94 V-0 flame rating
Key Features	Flame retarded Impact resistance, High

Sicostirolo® 682V0 Properties

Physical	Value & Unit	Test Condition	Test Method
Melt Mass-Flow Rate (MFR or MFI = Melt Flow Index or MI = Melt Index)	6 g/10 min	200°C, 5 kg	ISO 1133
Linear Mold Shrinkage	0.40 - 0.60 %		ISO 2577
Density	1.16 g/cm³		ISO 1183

Mechanical	Value & Unit	Test Condition	Test Method
Flexural Modulus	2100 MPa		ISO 178
Impact Strength, Notched Izod	9 kJ/m²	23°C	ISO 180

Tensile Strength, Yield	22 MPa		ISO 527-2
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Tensile Strength at Break	20 MPa		ISO 527-2
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Tensile Strain	40 %	at Break	ISO 527-2
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Thermal	Value & Unit	Test Condition	Test Method
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Vicat Softening Temperature	85 °C		ISO 306/B50
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Vicat Softening Temperature	94 °C		ISO 306/A50
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Heat Deflection Temperature (HDT), Annealed	80 °C	1.8 MPa	ISO 75-2/A
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Flammability	Value & Unit	Test Condition	Test Method
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Glow Wire Flammability Index (GWFI)	960 °C	2.0 mm	IEC 60695-2-12
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Flame Rating, UL 94	V-0	1.6 mm	UL 94
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Electrical	Value & Unit	Test Condition	Test Method
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Surface Resistivity	1.0E+15 ohm		IEC 60093
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Comparative Tracking Index (CTI)	400 V		IEC 60112
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Volume Resistivity	1.0E+15 ohm-cm		IEC 60093
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Dielectric Strength	50 kV/mm	oil, 1mm	IEC 60243-1
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