

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/cm ³		ISO 1183

Mechanical	Value & Unit	Test Condition	Test Method
Flexural Modulus	2100 MPa		ISO 178
Impact Strength, Notched Izod	9 kJ/m ²	23°C	ISO 180

Tensile Strength, Yield 22 MPa ISO 527-2

Tensile Strength at Break 20 MPa ISO 527-2

Tensile Strain 40 % at Break ISO 527-2

Thermal Value & Unit Test Condition Test Method

Vicat Softening Temperature 85 °C ISO 306/B50

Vicat Softening Temperature 94 °C ISO 306/A50

Heat Deflection Temperature (HDT), Annealed 80 °C 1.8 MPa ISO 75-2/A

Flammability Value & Unit Test Condition Test Method

Glow Wire Flammability Index (GWFI) 960 °C 2.0 mm IEC 60695-2-12

Flame Rating, UL 94 V-0 1.6 mm UL 94

Electrical Value & Unit Test Condition Test Method

Surface Resistivity 1.0E+15 ohm IEC 60093

Comparative Tracking Index (CTI) 400 V IEC 60112

Volume Resistivity 1.0E+15 ohm-cm IEC 60093

Dielectric Strength 50 kV/mm oil, 1mm IEC 60243-1