

# 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.

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

## Sicostirolo® 682V0 Properties

Physical	Value & Unit	Test Condition	Test Method
<b>Melt Mass-Flow Rate (MFR or MFI = Melt Flow Index or MI = Melt Index)</b>	6 g/10 min	200°C, 5 kg	ISO 1133
<b>Linear Mold Shrinkage</b>	0.40 - 0.60 %		ISO 2577
<b>Density</b>	1.16 g/cm <sup>3</sup>		ISO 1183

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

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