



**Product Data Sheet and
General Processing Conditions**

**RTP 0400 SH90025512
Polystyrene (PS)
Electrically Conductive
Extrusion**

This compound offers good mechanical properties balanced with good conductivity. The product can be used at 70-75% loading level to also obtain surface resistance in the range of 10^5 ohm.

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE		STANDARD
Density	1.08 g/cm ³	DIN 53479
Bulk Density	0.6 g/cm ³	ISO 60
Melt Flow Rate @ 190 °C/ 10.0 kg	1.5 g/10 min	ISO 1133
MECHANICAL		
Impact Strength, Charpy (23 °C) Notched, 4 mm thickness	12.0 kJ/m ²	ISO 179/1eA
Unnotched, 4 mm thickness	38.0 kJ/m ²	ISO 179/1eU
Tensile Modulus	1400 MPa	ISO 527-2/1A
ELECTRICAL		
Surface Resistance (23 °C, 50% RH) Flat film, 300 µm	10^1 - 10^3 ohm	IEC 93

DATA NOTES

Data herein is typical and not to be construed as specifications.

Unless otherwise specified, all data listed is for natural or black colored materials. Pigments can affect properties.

GENERAL PROCESSING GUIDELINES

Melt Temperature	200-225 °C
Die Temperature	230 °C
Drying	4-6 hr @ 70 °C

PROCESSING NOTES

None.

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