



**Product Data Sheet and
General Processing Conditions**

**RTP 0600 SB90025531
Acrylonitrile Butadiene Styrene (ABS)
Electrically Conductive
Sheet Extrusion
Injection Molding**

This compound offers higher stiffness and heat deflection properties than similar polystyrene conductive compounds.

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE		STANDARD
Density	1.13 g/cm ³	DIN 53479
Vicat B50	93 °C	ISO 306
Melt Flow Rate @ 220 °C/ 10.0 kg	1.5 g/10 min	ISO 1133
MECHANICAL		
Impact Strength, Charpy (23 °C) Notched, 4 mm thickness	7.0 kJ/m ²	ISO 179/1eA
Unnotched, 4 mm thickness	37.3 kJ/m ²	ISO 179/1eU
Tensile Stress Yield, 10 mm/min	31.6 MPa	ISO 527-2/1A
Tensile Strain Yield, 10 mm/min	2.4 %	ISO 527-2/1A
Tensile Modulus 1 mm/min	2228 MPa	ISO 527-2/1A
ELECTRICAL		
Surface Resistance (23 °C, 50% RH) Flat film, 300 µm	10 ¹ -10 ² 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	220-245 °C
Die Temperature	240 °C
Drying	4-6 hr @ 80 °C

PROCESSING NOTES

None.

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This information is intended to be used only as a guideline for designers and processors of modified thermoplastics for injection molding. Because injection mold design and processing is complex, a set solution will not solve all problems. Observation on a "trial and error" basis may be required to achieve desired results.

Data are obtained from specimens molded under carefully controlled conditions from representative samples of the compound described herein. Properties may be materially affected by molding techniques applied and by the size and shape of the item molded. No assurance can be implied that all molded articles will have the same properties as those listed.

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