



**Product Data Sheet and  
General Processing Conditions**

**RTP 2600 PL90025501  
Polyolefinic Block Copolymer Based TPE  
(TEO)  
Electrically Conductive  
Extrusion  
Injection Molding**

This compound is developed for the use in highly flexible plastic tubes and offers very high flexural fatigue strength and a high elongation at break.

**PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS**

<b>PERMANENCE</b>			<b>STANDARD</b>
Density	1.02	g/cm <sup>3</sup>	DIN 53479
Melt Flow Rate @ 190 °C/ 5.0 kg	0.3	g/10 min	ISO 1133
<b>MECHANICAL</b>			
Impact Strength, Charpy (23 °C)			
Notched, 4 mm thickness	No Break	kJ/m <sup>2</sup>	ISO 179/1eA
Unnotched, 4 mm thickness	No Break	kJ/m <sup>2</sup>	ISO 179/1eU
Tensile Stress			
Yield, 50 mm/min	20.5	MPa	ISO 527-2/1A
At Break, 50 mm/min	>20	MPa	ISO 527-2/1A
Tensile Strain			
At Break, 50mm/min	>700	%	ISO 527-2/1A
Tensile Modulus			
1 mm/min	189	MPa	ISO 527-2/1A
Shore Hardness	47	D	DIN 53505
<b>ELECTRICAL</b>			
Surface Resistance (23 °C, 50% RH)			
Flat film	10 <sup>1</sup> -10 <sup>2</sup>	ohm	IEC 93
Extruded tube	2x10 <sup>4</sup>	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	160-175	°C
Die Temperature	180	°C
Drying	2-4 hr @ 60	°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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