



## Product Data Sheet & General Processing Conditions

### RTPrene™ G 87 BK Thermoplastic Vulcanizate (TPV)

#### Preliminary Datasheet

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

PERMANENCE	STANDARD	
Density	0.96 g/cm <sup>3</sup>	ISO 1183
<b>MECHANICAL</b>		
Tensile Strength		
Type 1, 2.0 mm, 500 mm/min	18.3 MPa	ISO 37
Tensile Elongation		
Type 1, 2.0 mm, 500 mm/min	570.0 %	ISO 37
Tensile Stress		
Type 1, 2.0 mm, 500 mm/min		
@ 100 %	8.5 MPa	ISO 37
Tear Strength, Angle, 2.0 mm	61.3 N/mm	ISO 34-1
Compression Set		
22 h @ 70 °C, Type B	47 %	ISO 815
Hardness		
Shore A, 15 s delay	94	ISO 868

#### PROPERTY 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 FOR INJECTION MOLDING

Melt Temperature	204 - 232 °C
Mold Temperature	10 - 52 °C
Drying	2-4 hrs @ 82 °C
Moisture Content	< 0.05 %
Dew Point	-18 °C

#### PROCESSING NOTES

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This information is intended to be used only as a guideline for designers and processors of modified thermoplastics. Because 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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