



Product Data Sheet & General Processing Conditions

RTP 2700 S-50A MD Saturated Styrenic Block Copolymer (TES/SEBS or other) ISO 10993 Tested

RTP 2700 S-50A MD has been tested and was found to be compliant with ISO 10993 sections 5, 10, and 11.

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE	English	SI Metric	ASTM TEST
Specific Gravity	0.89	0.89	D 792
Molding Shrinkage 1/8 in (3.2 mm) section	0.0200 - 0.0300 in/in	2.00 - 3.00 %	D 955
MECHANICAL			
Tensile Strength			
Break, Die C, 0.125 in, 20 in/min (3.2mm, 500 mm/min)	1100 psi	8 MPa	D 412
Tensile Elongation			
Break, Die C, 0.125 in, 20 in/min (3.2mm, 500 mm/min)	700.0 %	700.0 %	D 412
Tear Strength, Die C	145.0 pli	25.4 N/mm	D 624
Compression Set			
22 h @ 23 °C (73 °F), Method B, Type 2	16 %	16 %	D 395
22 h @ 70 °C (158 °F), Method B, Type 2	41 %	41 %	D 395
Hardness			
Shore A, 10 s delay	50	50	D 2240

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

	English	SI Metric
Melt Temperature	350 - 400 °F	177 - 204 °C
Mold Temperature	60 - 100 °F	16 - 38 °C
Drying	2 hrs @ 170 °F	2 hrs @ 77 °C

PROCESSING NOTES

11 Aug 2017 SAC

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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