



Product Data Sheet & General Processing Conditions

RTP 2700 S-30A MD NATURAL Saturated Styrenic Block Copolymer (TES/SEBS or other) ISO 10993 Tested

RTP 2700 S-30A MD NATURAL 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)	750 psi	5 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	115.0 pli	20.2 N/mm	D 624
Compression Set			
22 h @ 23 °C (73 °F), Method B, Type 2	10 %	10 %	D 395
22 h @ 70 °C (158 °F), Method B, Type 2	37 %	37 %	D 395
Hardness			
Shore A, 10 s delay	30	30	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

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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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