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Product Data Sheet & General Processing Conditions

RTP 2700 S-80A Saturated Styrenic Block Copolymer (TES/SEBS or other) General Purpose

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	0.0180 - 0.0250 in/in	1.80 - 2.50 %	D 955
MECHANICAL			
Tensile Strength	1601 psi	11 MPa	D 412
Tensile Elongation	684.0 %	684.0 %	D 412
Tensile Stress @ 100 %	403.0 psi	2.8 MPa	D 412
Tear Strength, Die C	249.0 pli	43.6 N/mm	D 624
Peel Strength *** 90 degrees, 20 in/min (500 mm/min)			
PP, Failure Type D	25.0 pli	4.4 N/mm	RTP 55
PP (30% VLF), Failure Type D	18.0 pli	3.2 N/mm	RTP 55
PP (50% VLF), Failure Type D	10.0 pli	1.8 N/mm	RTP 55
Compression Set 22 h @ 23 °C (73 °F), Method B, Type 2	30 %	30 %	D 395
22 h @ 70 °C (158 °F), Method B, Type 2	55 %	55 %	D 395
Hardness Shore A, 10 s delay	77	77	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.

*** Values per RTP Company testing. Failure types: R=overmold failure, D=interface failure, S=substrate failure.

GENERAL PROCESSING FOR INJECTION MOLDING

	English	SI Metric
Injection Pressure	5000 - 10000 psi	34 - 69 MPa
Melt Temperature	350 - 450 °F	177 - 232 °C
Mold Temperature	60 - 100 °F	16 - 38 °C
Drying	2 hrs @ 170 °F	2 hrs @ 77 °C