



**Product Data Sheet &  
General Processing Conditions**

**RTP 2800 B-55A FR A  
Thermoplastic Polyolefin Elastomer (TEO)  
Flame Retardant  
PBDE Free**

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

<b>PERMANENCE</b>	<b>English</b>	<b>SI Metric</b>	<b>ASTM TEST</b>
Specific Gravity	1.24	1.24	D 792

**MECHANICAL**

Tensile Strength Die C, 0.125 in, 20 in/min (3.2mm, 500 mm/min)	550 psi	4 MPa	D 412
Tensile Elongation Break, Die C, 0.125 in, 20 in/min (3.2mm, 500 mm/min)	450.0 %	450.0 %	D 412
Tensile Stress Die C 0.125 in, 20 in/min (3.2 mm, 500 mm/min) @ 100 %	250.0 psi	1.7 MPa	D 412
Tear Strength, Die C	100.0 pli	17.5 N/mm	D 624
Compression Set 22 h @ 23 °C (73 °F), Method B, Type 2	19 %	19 %	D 395
22 h @ 70 °C (158 °F), Method B, Type 2	32 %	32 %	D 395
Hardness Shore A, 10 s delay	55	55	D 2240

**THERMAL**

Ignition Resistance* Flammability**	V-0 @ 1/16 in	V-0 @ 1.5 mm	D 3801
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**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.  
 \* This rating is not intended to reflect hazards of this or any other material under actual fire conditions.  
 \*\* Values per RTP Company testing.

**GENERAL PROCESSING FOR INJECTION MOLDING**

	<b>English</b>	<b>SI Metric</b>
Injection Pressure	12000 - 18000 psi	83 - 124 MPa
Melt Temperature	360 - 410 °F	182 - 210 °C
Mold Temperature	60 - 150 °F	16 - 66 °C
Drying	2 hrs @ 175 °F	2 hrs @ 79 °C
Moisture Content	0.03 %	0.03 %
Dew Point	0 °F	-18 °C