



**Product Data Sheet &
General Processing Conditions**

**RTP 2800 B-85A FR A
Thermoplastic Polyolefin Elastomer (TEO)
Flame Retardant
PBDE Free**

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE	English	SI Metric	ASTM TEST
Specific Gravity	1.24	1.24	D 792

MECHANICAL

Tensile Strength Die C, 0.125 in, 20 in/min (3.2mm, 500 mm/min)	1000 psi	7 MPa	D 412
Tensile Elongation Break, Die C, 0.125 in, 20 in/min (3.2mm, 500 mm/min)	550.0 %	550.0 %	D 412
Tensile Stress Die C 0.125 in, 20 in/min (3.2 mm, 500 mm/min) @ 100 %	600.0 psi	4.1 MPa	D 412
Tear Strength, Die C	185.0 pli	32.4 N/mm	D 624
Compression Set 22 h @ 23 °C (73 °F), Method B, Type 2	40 %	40 %	D 395
22 h @ 70 °C (158 °F), Method B, Type 2	57 %	57 %	D 395
Hardness Shore A, 10 s delay	85	85	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

	English	SI Metric
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