



**Product Data Sheet &
General Processing Conditions**

**Permaprene® 2800 B-45A
Thermoplastic Vulcanizate (TPV)
FDA Compliant Ingredients
Preliminary Datasheet**

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE	English	SI Metric	ASTM TEST
Specific Gravity	1.01	1.01	D 792
MECHANICAL			
Tensile Strength Die C, 0.125 in, 20 in/min (3.2mm, 500 mm/min)	540 psi	4 MPa	D 412
Tensile Elongation Die C, 0.125 in, 20 in/min (3.2mm, 500 mm/min)	500.0 %	500.0 %	D 412
Tensile Stress Die C 0.125 in, 20 in/min (3.2 mm, 500 mm/min) @ 100 %	190.0 psi	1.3 MPa	D 412
Tear Strength, Die C	88.0 pli	15.4 N/mm	D 624
Hardness Shore A, 10 s delay	48	48	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	360 - 410 °F	182 - 210 °C
Mold Temperature	65 - 85 °F	18 - 29 °C
Drying	2 hrs @ 180 °F	2 hrs @ 82 °C
Moisture Content	< 0.10 %	< 0.10 %