



**Product Data Sheet &
General Processing Conditions**

**Permaprene™ 2840 B-90A
Thermoplastic Elastomer Alloy
TPV Alloy**

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE	English	SI Metric	ASTM TEST
Specific Gravity	1.12	1.12	D 792
MECHANICAL			
Tensile Strength Die C, 0.125 in, 20 in/min (3.2mm, 500 mm/min)	1300 psi	9 MPa	D 412
Tensile Elongation Break, Die C, 0.125 in, 20 in/min (3.2mm, 500 mm/min)	800.0 %	800.0 %	D 412
Tensile Stress Die C 0.125 in, 20 in/min (3.2 mm, 500 mm/min) @ 100 %	750.0 psi	5.2 MPa	D 412
Tear Strength, Die C	240.0 pli	42.1 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	75 %	75 %	D 395
Hardness			
Shore A, 10 s delay	90	90	D 2240
Shore D, instantaneous	43	43	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	60 - 120 °F	16 - 49 °C
Drying	2 hrs @ 175 °F	2 hrs @ 79 °C
Moisture Content	< 0.05 %	< 0.05 %