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Product Data Sheet & General Processing Conditions

Permaprene® 2800 B-65A Thermoplastic Vulcanizate (TPV)

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE	English	SI Metric	ASTM TEST
Specific Gravity	1.02	1.02	D 792
Molding Shrinkage 1/8 in (3.2 mm) section	0.0120 - 0.0180 in/in	1.20 - 1.80 %	D 955
MECHANICAL			
Tensile Strength Die C, 0.125 in, 20 in/min (3.2mm, 500 mm/min)	800 psi	6 MPa	D 412
Tensile Elongation Break, 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 %	350.0 psi	2.4 MPa	D 412
Tear Strength, Die C	145.0 pli	25.4 N/mm	D 624
Compression Set 22 h @ 23 °C (73 °F), Method B, Type 2	22 %	22 %	D 395
22 h @ 70 °C (158 °F), Method B, Type 2	36 %	36 %	D 395
Hardness Shore A, 10 s delay	68	68	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 - 150 °F	16 - 66 °C
Drying	2 hrs @ 175 °F	2 hrs @ 79 °C
Moisture Content	< 0.05 %	< 0.05 %
Dew Point	0 °F	-18 °C