



Technical Data Sheet

Harkness Industries MP 700

Polyurethane Composition

MP 700 is a high performance polyester based urethane. This polyurethane is formulated to give an excellent balance of properties for a wide variety of applications including springs, scraper blades, die cutting pads, bumpers, chute liners, wheels, tires, and many more.

Physical Properties

Shore A Hardness	70 +/- 5
100% Modulus, psi (Mpa)	310 (2.2)
300% Modulus, psi (Mpa)	850 (5.8)
Tensile, psi (Mpa)	4800 (32.8)
Elongation, %	500%
Tear Strength, Split (ASTM D-470) pli, (kN/m)	55 (9.5)
Tear Strength, Die C (ASTM D-624) pli, (kN/m)	240 (41.8)
Tear Strength, Die B (ASTM D-624) pli, (kN/m)	215 (37.6)
Compression Set %	12
22 hours @ 158°F (70°C), Method B	
Bell Brittle Point, °F (°C)	- 70 (-57)
Tabor Abrasion, H-18 100 gm Load	
Average Loss / 1000 cycles, grams	0.040
Specific Gravity	1.26



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