



Technical Data Sheet

Harkness Industries MP 500

Polyurethane Composition

MP 500 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, bushings, wheels, tires, and many more.

Physical Properties

Shore A Hardness	50 +/- 5
100% Modulus, psi (Mpa)	210 (1.4)
300% Modulus, psi (Mpa)	450 (3.1)
Tensile, psi (Mpa)	2450 (16.9)
Elongation, %	480%
Tear Strength, Die C (ASTM D-624) pli, (kN/m)	170 (29.8)
Compression Set %	8
22 hours @ 158°F (70°C), Method B	
Tabor Abrasion, H-18 100 gm Load	
Average Loss / 1000 cycles, grams	0.045
Bell Brittle Point, °F (°C)	- 70 (-57)
Specific Gravity	1.24



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