



Technical Data Sheet

Harkness Industries MP 850

Polyurethane Composition

MP 850 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, bushings, scraper blades, die cutting pads, bumpers, chute liners, wheels, tires, and many more.

Physical Properties

Shore A Hardness	85 +/- 5
100% Modulus, psi (Mpa)	600 (4.2)
300% Modulus, psi (Mpa)	1500 (10.4)
Tensile, psi (Mpa)	6000 (41.4)
Elongation, %	500%
Tear Strength, Split (ASTM D-470) pli, (kN/m)	110 (19.5)
Tear Strength, Die C (ASTM D-624) pli, (kN/m)	400 (70.8)
Bashore Rebound, %	28
Compression Set %	25
22 hours @ 158°F (70°C), Method B	
Bell Brittle Point, °F (°C)	- 70 (-57)
Specific Gravity	1.26