



Technical Data Sheet

Harkness Industries MP 900

Polyurethane Composition

MP 900 is a high performance polyether based urethane formulated to give an excellent balance of properties including; tear and abrasion resistance, low heat build-up, good resilience, hydrolysis resistance, and hardness stability. MP 900 may be selected for a wide variety of applications including springs, scraper blades, material handling equipment, rolls, shock absorbers, bumpers, chute liners, wheels, tires, and many more.

Physical Properties

Shore A Hardness	90 +/- 5
100% Modulus, psi (Mpa)	1100 (7.6)
300% Modulus, psi (Mpa)	2100 (14.5)
Tensile, psi (Mpa)	4500 (31.0)
Elongation, %	450%
Tear Strength, Split (ASTM D-470) pli, (kN/m)	90 (15.7)
Tear Strength, Die C (ASTM D-624) pli, (kN/m)	400 (70.0)
Bashore Rebound, %	42
Compression Set %	30
22 hours @ 158°F (70°C), Method B	
Bell Brittle Point, °F (°C)	- 80 (-63)
Abrasion Resistance, NBS Index	175
Specific Gravity	1.10

