



# 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

