



# Technical Data Sheet

## Harkness Industries MP 950

### Polyurethane Composition

MP 950 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 950 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 .....	95 +/- 5
100% Modulus, psi (Mpa) .....	1800 (12.4)
300% Modulus, psi (Mpa) .....	4000 (27.6)
Tensile, psi (Mpa) .....	5500 (37.9)
Elongation, % .....	320%
Tear Strength, Split (ASTM D-470) pli, (kN/m) .....	150 (26.2)
Tear Strength, Die C (ASTM D-624) pli, (kN/m) .....	450 (78.3)
Bashore Rebound, % .....	40
Compression Set % .....	40
22 hours @ 158°F (70°C), Method B	
Bell Brittle Point, °F (°C) .....	- 80 (-63)
Abrasion Resistance, NBS Index .....	300
Specific Gravity .....	1.14



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