



NATIONWIDE PLASTICS, INC.

The Authority on Plastics Manufacturing and Distribution



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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