HARKNESS INDUSTRIES, INC.

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

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