



## 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) .....	1 500 (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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