



Technical Data Sheet

Harkness Industries MP 160

Polyurethane Composition

MP 160 is a 60 Shore D high performance polyether based urethane designed to give elastomeric performance in the hardness range of engineering plastics. Exceptionally high tensile and tear strength coupled with outstanding impact strength make MP 160 an excellent choice in a variety of applications including bearing pads, material handling equipment, rolls, wheels, hammer heads, and many more.

Physical Properties

Shore D Hardness	60 +/- 5
100% Modulus, psi (Mpa)	3000 (20.7)
300% Modulus, psi (Mpa)	6500 (44.9)
Tensile, psi (Mpa)	6500 (44.9)
Elongation, %	300%
Tear Strength, Split (ASTM D-470) pli, (kN/m)	120 (20.9)
Tear Strength, Die C (ASTM D-624) pli, (kN/m)	700 (122)
Brittleness, °F (°C), (ASTM D-1044).....	- 85 (-65)
Abrasion Resistance, NBS Index	350
Tabor Abrasion, H-18 100 gm Load Average Loss / 1000 cycles, grams	0.040
Specific Gravity	1.20

