

**IMUTHANE**
CASTABLE POLYURETHANE
ELASTOMERS
37-95A**IMUTHANE**
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IMUTHANE 37-95A is a MDI / PPG based prepolymer which yields a 95 Shore-A elastomer when cured with 1, 4 butanediol.

Typical Prepolymer Properties

% NCO	8.8 – 9.2
Brookfield Viscosity @ 100° C	1.0 – 4.0
Specific Gravity @ 77° F (25° C)	1.06
@ 212° F (100° C)	1.03

Typical Process Conditions

IMUTHANE 37-95A, °F (°C)	160 (71)
BDO °F (°C)	77 (25)
Mold, °F (°C)	240 (115)
% Theory	95
Pot Life, min	4
Cure Time, min @ °F (°C)	60 @ 240 (115)
Post Cure, hrs @ °F (°C)	16 @ 240 (115)

Typical Physical Properties

Shore Hardness	95A
100% Modulus, psi (MPa)	1500 (10.3)
300% Modulus, psi (MPa)	2500 (17.2)
Tensile, psi (MPa)	3400 (23.4)
Elongation, %	375
Tear Strength, Die C, pli (kN/m)	350 (61.3)
Tear Strength, (D470), pli (kN/m)	90 (15.8)
Bashore Rebound, %	46
Compression Set, Method B, 22 hrs @ 158°F (70°C), %	30
Specific Gravity	1.05

The data contained herein are believed to be reliable. However, there is no guarantee that the same results will be obtained under different conditions. Fit for use testing should be conducted by each user.