



## Freeman 1060LV Polyurethane Elastomer

### Description

Freeman 1060LV is a semi-rigid polyurethane elastomer recommended for applications where abrasion resistance and impact strength are critical. Freeman 1060LV is ideal for foundry patterns, core boxes, wear resistance parts, and holding/ assembly fixtures.

### Physical Properties

Color	Amber
Mix Ratio (by weight)	100:50
Mix Ratio (by volume)	100:50
Viscosity, Mixed (cps)	750
Gel Time (minutes @ 77°F)	15-20
Demold Time (hours)	16
Hardness (Shore D)	60
Specific Gravity (g/cc)	1.16
Volumetric Yield (in <sup>3</sup> / lb.)	23.8
Tensile strength, (psi)	3,200
Flexural Modulus (psi)	65,000
Elongation %	45
Compression Strength (psi)	1,730
Compression Modulus (psi)	29,500
Tear Strength (Die C PLI)	550
IZOD Impact Notched (ft-lb/in)	8
Taber Abrasion (ASTM D4060) 10,000 cycles (in)	.001
Linear Shrinkage in/in $\frac{3}{4}$ " Thickness Limit	0.001

The user shall determine the suitability of this product for their application and assumes all risks and liabilities associated with the use of this product. The exclusive remedy for all proven claims is replacement of our materials only and in no event shall Freeman Mfg. & Supply Co. be liable for special, incidental, or consequential claims.

READ SAFETY DATA SHEETS AND PRODUCT LABELS BEFORE USING PRODUCT