

Urethane Product Selector Guide

Material Property Information



6100 Blue Circle Drive
 Minnetonka, MN 55343
www.precisionpunch.com
info@precisionpunch.com
 Phone: 952-933-0993
 Toll Free: 1-800-227-0690
 Fax: 952-935-5380

Mechanical Property	ASTM Test	Stock Durometers		
		60A	85A	95A
<i>Durometer, Shore</i>	D-2240			
<i>100% Modulus, psi</i>	D-412	250	600	1800
<i>300% Modulus, psi</i>	D-412	600	1,500	4,000
<i>Tensile, psi</i>	D-412	4,500	6,000	5,500
<i>Elongation, %</i>	D-412	500	500	320
<i>Tear, pli Die C type</i>	D-624	200	400	450
<i>Compression Set, %</i>	D-395	10	25	40
<i>Modulus of Elasticity, psi</i>	D-638	500	2,800	8,600

Compression Properties (Shape Factor 0.56)

<i>Deflection, psi @ 5%</i>	D-575	30	180	450
<i>Deflection, psi @ 10%</i>	D-575	70	390	890
<i>Deflection, psi @ 15%</i>	D-575	110	560	1,170
<i>Deflection, psi @ 20%</i>	D-575	160	690	1,400
<i>Deflection, psi @ 25%</i>	D-575	220	800	1,600
<i>Abrasion Resistance, Tabor</i>	D-501	30	40	40
<i>Specific Gravity</i>	D-792	1.26	1.26	1.15
<i>Polymer Base</i>	—	Ester	Ester	Ether

** Other durometers 20A-75D available by custom order.