

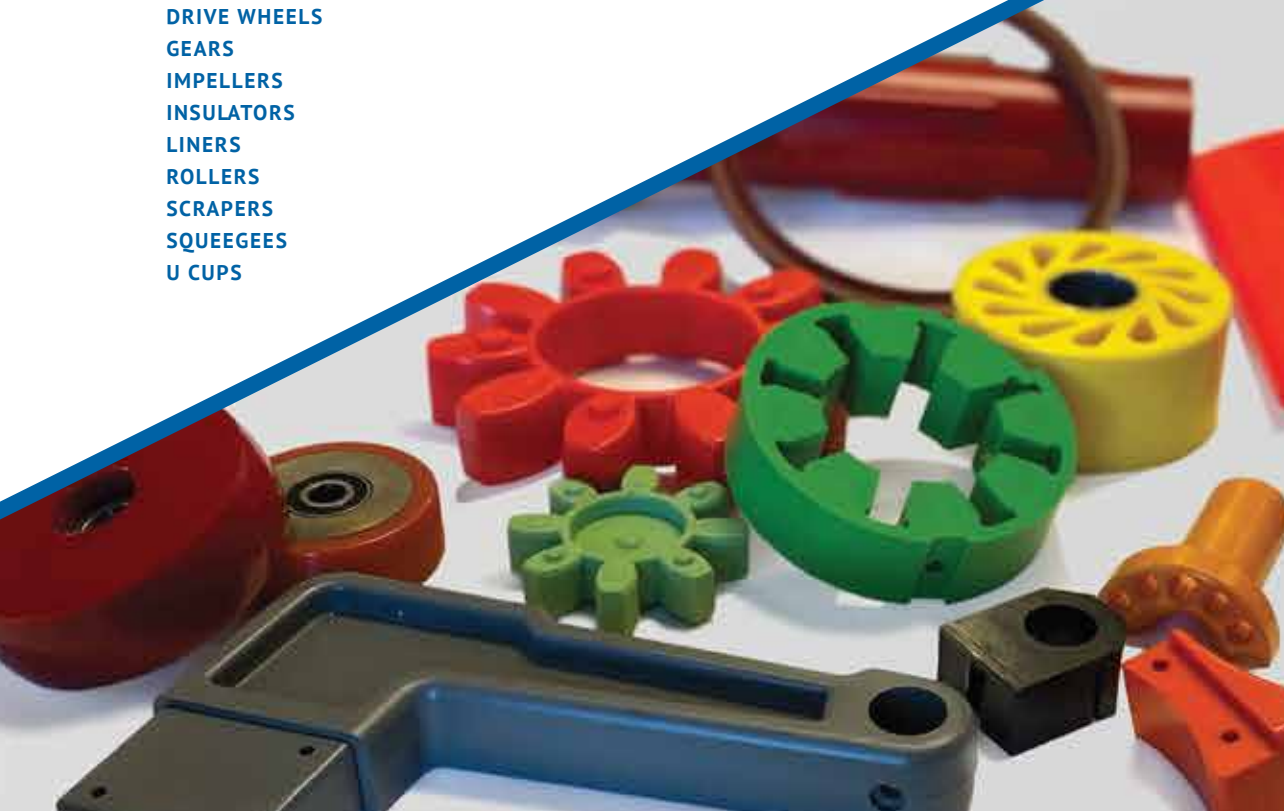


**MOLDED
DIMENSIONS
GROUP**

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PHYSICAL PROPERTIES OF **PENTATHANE®**

COUPLINGS
DRIVE WHEELS
GEARS
IMPELLERS
INSULATORS
LINERS
ROLLERS
SCRAPERS
SQUEEGEES
U CUPS



PHYSICAL PROPERTIES OF PENTATHANE®

Pentathane® is our name for Polyurethane formulations.

It has five outstanding properties:

- Wide range of hardness
- High load-bearing
- High abrasion resistance
- Low coefficients of friction
- Good resistance to gas, oil, alkali, and acid attack

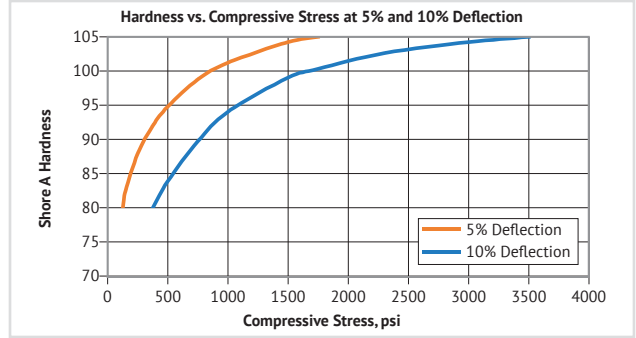
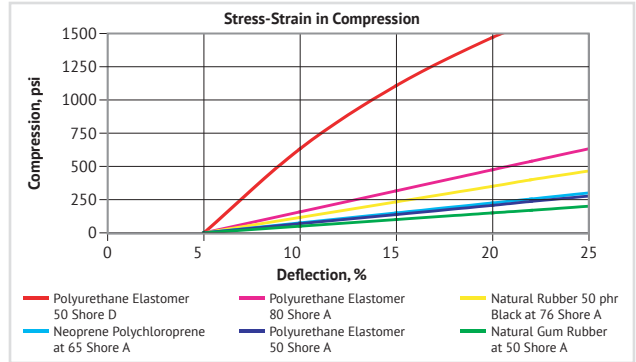
Pentathane® formulations are designed to meet your most demanding applications. Additives such as Teflon, Silicone and others can be used to achieve application-specific formulations.

Features of our Pentathane® 6300 Polyester include:

- High abrasion resistance
- High tear strength
- High solvent, fuel and oil resistance
- High dry heat resistance to 200°F
- High electrical conductivity

Features of our Pentathane® 6400 Polyester include:

- Reduced frictional properties
- Improved low-temperature flexibility
- Extended flex life
- Increased hydrolytic stability
- Higher rebound



COMPOUND	40A ESTER	50A ESTER	60A ESTER	70A ESTER	80A ESTER	85A ETHER	90A ESTER	90A ETHER	50D ESTER	50D ETHER	60D ESTER	60D ETHER	75D ETHER
Hardness D-2240	A 40	A 50	A 60	A 70	A 80	A 85	A 90	A 90	D 50	D 50	D 60	D 60	D 75
Modulus D-412 PSI													
100%	180	210	260	310	580	700	1015	1100	1800	2200	2100	3100	6400
300%	350	380	550	500	905	1200	2030	2200	4200	4100	5090	5800	8700
Tensile D-412 PSI	2800	2980	3300	5400	6100	4680	6600	5500	6600	5500	8600	8700	9500
Elongation % D-412	550	560	445	650	660	580	545	380	380	380	400	280	180
Comp Set A 70 Hr 150°F	0.8	3.5	3.2	31	28	35	34	28	32	32	28	25	33
Split Tear PLI D-470	7	11	17	60	225	85	320	90	140	125	210	130	110
Bashore Rebound % D-495	48	47	20	30	31	50	32	42	40	32	30	45	63