

TECHNICAL DATA SHEET

POLYURETHANE

Hardness, durometer value (ASTM D676-59T)	90A	95A	75D
Specific Gravity	1.1	1.14	1.2
Tensile Strength, psi (ASTM D412-61T)	5000	7000	8000
Elongation at break, % (ASTM D412-61T)	450	420	270
100% Modulus, psi (ASTM D412-61T)	1050	1800	4100
Compression set, %, Method B (ASTM D395)	30	37	-
Method A (ASTM D395)	10	9	9
Resilience, %, Yerzley (ASTM D945)	65-70	-	-
Rebound (Bashore), Impact resistance	-	39	48
Izod notched, ft. Lb./in. (ASTM D256)	Flexed	Flexed	51
	-	-	1.1
	Below	Below	
Solenoid brittle temp., °F (ASTM D746-57T)			-85°
	-90°	-90°	
Abrasion index, NBS, % (ASTM D1630) National Bureau of Standards Abrader)	175	375	435
Tear strength split, pli. (ASTM D470)	95	155	115

Applications:

Roll covers	Gaskets	J-Hooks
Wheels - speed up, carry over dolly, infeed, green chain cart	Springs	Flexible links
Wheel covers	Cylinder cushions	Fork lift tires
Press rolls	Shock pads	Bearing & bushing stock
Bin and slurry liners	Bumpers	Diverter arms
	Abrasion and pump lining	Chain lugs

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