



TECHNICAL DATA SHEET  
POLYURETHANE®

	Hardness		
	90A	95A	75D
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	-
Compression set, %, Method A (ASTM D395)	10	9	9
Resilience, %, Yerzley (ASTM D945)	65-70	-	-
Resilience, %, Rebound (Bashore)	-	39	48
Impact resistance Izod notched, ft. Lb./in.	Flexed	Flexed	51
Impact resistance (ASTM D256)	-	-	1.1
Solenoid brittle temp., °F (ASTM D746-57T)	Below -90°	Below -90°	-85°
Abrasion index, NBS, % (ASTM D1630) (National Bureau of Standards Abrader)	175	375	435
Tear strength split, pli. (ASTM D470)	95	155	115

**Application**

- Roll covers.
- Wheels - speed up, carry over.
- Dolly wheels.
- Wheel covers.
- Press rolls.
- Bin and slurry liners.
- Gaskets.
- Springs.
- Cylinder cushions.
- Shock pads.
- Bumpers.
- Abrasion and pump lining.
- J-Hooks.
- Flexible links.
- Forklift tires.
- Diverter arms.
- Chain lugs.
- Bearing & bushing stock.