



## 50 Shore D TDI Polyester Urethane

### Application

This material has low heat build up due to hysteresis in high speed, high load bearing applications. The material also shows high dampening capabilities. The low pressure liquid cast molding process offers lower cost tooling. Typical colors of this material are yellow, red and black. Some current applications include shock and engine mounts, rollers, etc

### Technical Data

Properties	Units	ASTM Test Method	Result
Shore D Hardness	D Scale	D-2240-04	50
Split Tear Strength	PLI	D-1938	239
Die C Tear Strength	PLI	D-624-00 Type C	515
Tensile Strength	PSI	D-412-98a	7506
Ultimate Elongation	%	D-412-98a	524
100 % Modulus	PSI	D-412-98a	1129
200% Modulus	PSI	D-412-98a	1526
300% Modulus	PSI	D-412-98a	2136
Compression Set	%	D-395-03	22
Compression Defection	PSI	D-575	
2%	PSI	D-575	N/A
5%	PSI	D-575	78
10%	PSI	D-575	350
15%	PSI	D-575	625
20%	PSI	D-575	871
25%	PSI	D-575	N/A
50%	PSI	D-575	N/A
Taber Abrasion	MG Loss	D-4060-01	62
Resilience	%	D-2632-01	
Bayshore Rebound	%	D-2636	
FDA Dry Food Grade Approved			No
FDA Wet Food Grade Approved			No
Low Temperature Brittleness	°C (°F)	D-2137-05 Method B	
Specific Gravity	G/cm <sup>3</sup>		1.13

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