



93 Shore A MDI Polyester Urethane

Application

This material has high abrasion resistance and impact strength. This material is used in many different dynamic applications. The low pressure liquid cast molding process offers lower cost tooling. Typical colors of this material are black, yellow and red. Some current applications include hood guides, track pads, bumpers, recoil dampeners, etc.

Technical Data

Properties	Units	ASTM Test Method	Result
Shore A Hardness	A Scale	D-2240-04	93
Split Tear Strength	PLI	D-1938	
Die C Tear Strength	PLI	D-624-00 Type C	
Tensile Strength	PSI	D-412-98a	
Ultimate Elongation	%	D-412-98a	
100 % Modulus	PSI	D-412-98a	
200% Modulus	PSI	D-412-98a	
300% Modulus	PSI	D-412-98a	
Compression Set	%	D-395-03	
Compression Defection	PSI	D-575	
2%	PSI	D-575	
5%	PSI	D-575	
10%	PSI	D-575	
15%	PSI	D-575	
20%	PSI	D-575	
25%	PSI	D-575	
50%	PSI	D-575	
Taber Abrasion	MG Loss	D-4060-01	
Resilience	%	D-2632-01	
Bayshore Rebound	%	D-2636	
FDA Dry Food Grade Approved			Yes
FDA Wet Food Grade Approved			No
Low Temperature Brittleness	°C (°F)	D-2137-05 Method B	
Specific Gravity	G/cm ³		

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