



91 Shore A MDI Polyether Urethane

Application

This material is used in high impingement abrasion applications and applications that require hydrolytic stability. The low pressure liquid cast molding process offers lower cost tooling over traditional rubber molding processes. Typical colors of this material are orange or black. Some current applications include dust caps/ seals, material deflection curtains, sleeves, etc. .

Technical Data

Properties	Units	ASTM Test Method	Result
Shore A Hardness	A Scale	D-2240-04	91
Split Tear Strength	PLI	D-1938	175
Die C Tear Strength	PLI	D-624-00 Type C	460
Tensile Strength	PSI	D-412-98a	4200
Ultimate Elongation	%	D-412-98a	400
100 % Modulus	PSI	D-412-98a	400
200% Modulus	PSI	D-412-98a	1150
300% Modulus	PSI	D-412-98a	1700
Compression Set	%	D-395-03	61
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		1.07

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