



60 Shore D MDI Polyether Urethane

Application

This material is quite hard like a plastic and has high mechanical properties. This material is also hydrolytic stable. The low pressure liquid cast molding process offers lower cost tooling over traditional plastic molding processes (Injection Molding). Typical color of this material is black. Some current applications include plastic replacement parts (fixed louver on a dashboard), moisture sensor seal, etc.

Technical Data

Properties	Units	ASTM Test Method	Result
Shore D Hardness	D Scale	D-2240-04	60
Split Tear Strength	PLI	D-1938	62
Die C Tear Strength	PLI	D-624-00 Type C	467
Tensile Strength	PSI	D-412-98a	5565
Ultimate Elongation	%	D-412-98a	230
100 % Modulus	PSI	D-412-98a	2823
200% Modulus	PSI	D-412-98a	4693
300% Modulus	PSI	D-412-98a	
Compression Set	%	D-395-03	38
Compression Defection	PSI	D-575	
2%	PSI	D-575	176
5%	PSI	D-575	749
10%	PSI	D-575	1131
15%	PSI	D-575	1828
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			No
FDA Wet Food Grade Approved			No
Low Temperature Brittleness	°C (°F)	D-2137-05 Method B	
Specific Gravity	G/cm ³		1.15

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