

AutoPlast SPECIFICATIONS

AutoPlast is a high impact thermoplastic elastomer utilizing 65% recycled tire rubber and designed to provide a product that exhibits practical toughness, sound suppression and durability. It has the capability to replace olefins in certain applications and has the added advantage of being UV stable. This material meets Federal Motor Vehicle Safety Standard #303 (FMVSS302). Applications include sheet extrusion and thermoforming.

<u>PROPERTY</u>	<u>TYPICAL VALUE</u>	<u>UNITS</u>	<u>ASTM TEST METHOD</u>
PHYSICAL:			
Specific Gravity	1.02		D792-00
Melt Flow Rate	1.5	g/10 min	D1238
Hardness, Shore A	90		D2240-03
Shrink	.007-.009	in/in	D955
MECHANICAL:			
Flexural Modulus	12,700	psi	D790-03
Tensile Strength @ Yield	672	psi	D638-02A
Elongation @ Break	113	%	
Environmental Stress Crack (ESCR)	>1,000	hrs	D1639-01
Gardner Impact:			
@ Room Temperature	12J (112 in. lbs.)	Mean Failure	D54720-02
@ -40°C	.9J (8 in. Lbs.)	Mean Failure	D54720-02
THERMAL:			
HDT @ 66 psi	168 (61)	F (C)	D648
CLTE	1.16 x 10 ⁽⁻⁵⁾	in/in/F	D696

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