

Specification: ASTM D2000 M3CA710 A25 A26 B35 B36 B44 C32 EA14

Cure System: Peroxide

Recommended Service Temperature: -65 °F to 302 °F (-54 °C to 150 °C)

ABS compatible

NOTES - All testing done on slabs and buttons. Material formerly known as E868.

Original Properties	Specification	E70
Hardness, Shore A	70 +/- 5	69
Tensile Strength, psi	1450 (min)	2037
Ultimate Elongation, %	150 (min)	295
Modulus @ 100% Elongation, psi		456
Modulus @ 200% Elongation, psi		1152
Tear Strength, kgf/cm		29
Specific Gravity		1.148
Color		Black
Heat Resistance - A25, ASTM D 865 (70 hrs @ 125 °C)		
Hardness Change, points	+10 (max)	+2
Tensile Strength Change, %	-20 (max)	+8
Ultimate Elongation Change, %	-20 (max)	0
Volume Change, %		-1
Heat Resistance - A26, ASTM D 865 (70 hrs @ 150 °C)		
Hardness Change, points		+4
Tensile Strength Change, %		+11
Ultimate Elongation Change, %		0
Volume Change, %		-2
Compression Set - B35, ASTM D 395 Method B (22 hrs @ 125 °C)		
Permanent Set, %	70 (max)	17
Compression Set - B36, ASTM D 395 Method B (22 hrs @ 150 °C)		
Permanent Set, %		20
Compression Set - B44, ASTM D 395 Method B (70 hrs @ 100 °C)		
Permanent Set, %		20
Ozone Resistance - C32, ASTM D 1171 Method B		
No Crack	Pass	Pass
Fluid Resistance, Water - EA14 (70 hrs @ 100 °C)		
Hardness Change, points		0
Tensile Strength Change, %		+6
Ultimate Elongation Change, %		+3
Volume Change, %	+/- 5	+2
Low Temperature Resistance - F17, ASTM D 2137 Method A, 9.3.2		
Non-brittle after 3 min @ -40 °C	Pass	Pass

The information contained herein is believed to be reliable, but no representation, guarantees or warranties of any kind are made to its accuracy or suitability for any purpose. The information presented herein is based on laboratory testing and does not necessarily indicate end product performance. Full scale testing and end product performance are the responsibility of the user.



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