

PACIFIC MARINE & INDUSTRIAL®

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Rubber Compound Specifications

Black EPDM Military Specification MIL-R-3065C, Mil Std 417, Type R, Class RS,
Grade 720 A, B, C1, F2, Z1, Z2 and Z3

ASTM Designation- D2000 3BA 720 A14, B13, C12, F19, Z1, Z2 and Z3

Property	Test Method	Black EPDM
Min. Tensile Strength	ASTM D-412	2000 PSI
Min. Elongation	ASTM D-412	300%
Hardness- Shore A Durometer	ASTM D-412	70 +/- 5
Modulus @ 400% Elongation	ASTM D-412	900 PSI Min.
Heat Resistance	ASTM D-573 A1470h @ 212 F A1370h @ 158 F Max. Change in Hardness Max. Change in Tensile Max Change in Ult. Elongation	+ 10 Pts. -25% -25%
Compression Set	ASTM D-395 Method B B13 & Z4 22h @158 F	25% Max
Ozone Resistance	ASTM D-1171 C12 100 F @ 50 pphm	No Cracks
Water Resistance	ASTM D-471 EA14 70 h @ 212 F Z3 166 h @ 212 F	10% Max Swell
Low Temp. Brittleness	ASTM D-2137 Method A, 9.3.2 F17 Non brittle after 3 min. @ -40 F F19 Non brittle after 3 min. @ -67 F	Passes
Load Deflection	ASTM D-575 Method A Z1 20% Deflection	300 +/- 70 PSI
Tear Resistance	ASTM D-624 Z2 Die B	200 PPI Min.