# Ethylene Propylene Diene Terpolymer (EPDM)

**Property** | **Test Method** | **Values** |
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Thickness (mils nominal) | ASTM D5199 | 45 | 60 |
Unit Weight (lb/ft²) | ASTM D751 | 0.28 | 0.40 |
Specific Gravity | ASTM D792 | 1.1 | 1.1 |
Tensile Strength, Die C (min psi) | ASTM D412 | 1305 | 1305 |
Ultimate Elongation, Die C min (% min) | ASTM D412 | 300 | 300 |
Tear Resistance, Die C (lbf/in) | ASTM D624 | 150 | 230 |
Puncture Resistance (lbs) | ASTM D4833 | 30 | 43 |
Shore A Durometer | ASTM D2240 | 65-10 | 65-10 |
Resistance to Ozone | ASTM D1149, 7 days/100@150°F 50% ext. No Cracks |
Multiaxial Elongation (%) | ASTM D5617 | 100 | 100 |
Oven Aging at 116° C (240° F) for 670 hours | ASTM D573 | 1205 | 1205 |
Tensile Strength, Die C (psi) | ASTM D412 | 1205 | 1205 |
Ultimate Elongation, Die C (%) | ASTM D412 | 200 | 200 |
Tear Resistance, Die C (lbf/in) | ASTM D624 | 125 | 213 |
Xenon Arc for 5040kJ/(m2.nm) @ 340 nm @ 80°C | ASTM G155 / G151 | Pass | Pass |
Visual Inspection (7X) | ASTM D518 | Pass | Pass |
Brittleness Point | ASTM D2137 | -49° F | -49° F |
Water Resistance (%) | ASTM D471, 166 hrs immersion @ 158°F | +8, -2 | +8, -2 |
Water Vapor Permeability (max perm mils) | ASTM E96 | 2.0 | 2.0 |
Linear Dimensional Change (% max) | ASTM D1204 | ± 1.0 | ± 1.0 |
Chronic Toxicity Screening | EPA/600/4-89/001 | Pass | Pass |
| ASTM E729, Method 1000.0 | Pass | Pass |

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