

# Specification Sheet

**Description:** Ethylene Propylene Rubber (EPDM, EPR)  
**Material:** E01/000

<u>Property</u>	<u>Spec</u>	<u>Value</u>
Hardness	DIN 53505	85A
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Specific Gravity	DIN 53479	1.23 g/cm <sup>3</sup>
Tensile Strength	DIN 53504	14 N/mm <sup>2</sup>
Ultimate Elongation	DIN 53504	130%
20% Modulus	DIN 53504	N/mm <sup>2</sup>
100% Modulus	DIN 53504	9.20 N/mm <sup>2</sup>
300% Modulus	DIN 53504	N/mm <sup>2</sup>
Elasticity	DIN 53512	34%
Tear Strength	DIN 53507	9 N/mm <sup>2</sup>
Abrasion	DIN 53516	108mm <sup>3</sup>
Impact Resilience	DIN 53512	-
Compression Set 70C 22 Hrs	DIN 53517	24%
Compression Set 100C 22hrs	DIN 53517	18%
Brittle Point	DIN 53479	-
Minimum Service Temp.		-40° C -40° F
Maximum Service Temp.		120° C 248° F
Color		Black

## Description:

EPDM has excellent resistance to heat, ozone, and sunlight with very good flexibility at lower temperatures. EPDM also has superior resistance to water and steam, but poor resistance to oil, gasoline and hydrocarbon solvents. With its unique combination of physical properties, EPDM can be used in a variety of products. Due to its ozone and sunlight resistance, and low temperature characteristics, it is an ideal material for outdoor service.