



Ethylene Propylene Rubber (EPDM, EPR)

SPECIFICATIONS

Property	Spec	Value
Hardness	ISO 868	81A \pm 5
Specific Gravity (g/cm ³)	DIN 53479	1.23
Ultimate Elongation	DIN 53504	\geq 150%
Rebound Elasticity	DIN 53512	\geq 41%
Compression Set 70C 24hrs at 25% deflection	ISO 815	\leq 15%
Minimum Service Temp.		-40° C -40° F
Maximum Service Temp.		+130° C +266° F
Maximum Temp. Water/Steam		+130° C +266° F
Maximum Temp. Hot Air (short)		+150° C +302° F

DESCRIPTION

ME02 is an EPDM material with hardness 81A, specially compounded for food use applications. As a seal material, EPDM is very useful elastomer because of its wide application temperature range and unique fluid resistance that most other elastomers cannot match. EPDM provides the best resistance to hot water, steam and phosphate ester hydraulic fluids such as HFD-R and Skydrol. EPDM can be used in brake systems that use glycol-based fluid or synthetic ester lubricants that are used for low temperature applications. EPDM has resistance to some polar solvents such as ketones, esters or alcohols, some acids and alkalis. However EPDM is not suitable for mineral hydrocarbon oils, greases and fuels.