



Ethylene Propylene Elastomer (EPDM)

SPECIFICATIONS

Property	Test Method	Requested Values	Tested Values
Hardness	ISO 7619	60±5	60A
Specific Gravity (g/cm ³)	ASTM D 1817		1.176
Tensile Strength (MPa)	ISO 37	>10.5	19.63
Elongation (%)	ISO 37	>300	563
Tearing (N/mm)	ISO 34/C	>24	50
Compression Set 24h-100°C	ASTM D 395/B	<20	18
Color			Black

DESCRIPTION

ME09 is an EPDM material with hardness of 60±5A. 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. 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.