

Short designation	EPDM
Brand name	-
Chemical description	Ethylene propylene diene monomer rubber
Mechanical properties	
Hardness range [Shore A/D]	30 - 90
Wear resistance	good
Tensile strength [MPa]	10 - 20
Physical properties	
Density [g/cm <sup>3</sup> ]	1.15
Application temperatures	
Temperature range, short-term [°C]	-40 - 150
Temperature range, continuous [°C]	-30 - 120
Other properties	
Flammability according to UL94	burns
Chemical resistance	
Mineral grease and oils	--
Petrol	--
Weak/strong acids	+ / o
Weak/strong alkalis	++ / ++
Perchloroethylene	--
Trichloroethylene	--
Acetone	++
Alcohols	++
Brake fluid	++
Hydrolysis resistance (hot water)	++
Weather/UV radiation	++

Main uses	<p>EPDM is an ethylene and propylene based rubber.</p> <p>It boasts good wear resistance and outstanding resistance to alkaline cleaning agents, organic solvents, alcohols and superheated water.</p> <p>As it is resistant to glycol brake fluid, EPDM is the main sealing material used in vehicle brake systems.</p>
-----------	--

++ very good / + good / o satisfactory / - moderate (significant change to properties) / -- unsuitable