

RHONDAMA LIMITED EPDM

EPDM Peroxyd Hardness 85° Shore A Black

Ethylene propylene diene rubber

Mechanical, physical and thermal properties

Properties	Condition	Standard	Unit			
Colour				Black		Black
Hardness	23°C	ISO 868	Shore A	85±5	Shore A	85±5
Modulus 100%	23°C	DIN 53 504	MPa		Psi	
Tensile strength	23°C	DIN 53 504	MPa	≥12	Psi	≥1740
Elongation at break	23°C	DIN 53 504	%	≥80	%	≥80
Tear strength	23°C	DIN 53 515	kN/m	≥9	Ibf/inch	≥51
Spec. gravity	23°C	ISO 1183	Kg/m ³	1230	g/cm ³	1,23
Rebound elasticity	23°C	DIN 53 512	%	≥37	%	≥37
Abrasion	23°C	DIN 53 516	mm ³	140	mm ³	140
Compression set	*	ISO 815	%	≤5	%	≤5
Compression set	**	ISO 815	%	≤7	%	≤7
Compression set	***	ISO 815	%		%	
Minimum service temperature			°C	-45	°F	-49
Maximum service temperature			°C	150	°F	302
Temp maximum water steam			°C	150	°F	302
Temp Maximum hot air			°C	180 short	°F	356 short

* 24 h 70°C 25% deflection ** 24h 100°C 25% deflection *** 24h 150°C 25% deflection

Chemical Properties

Copolymer, based on ethylene, propylene and diene

Resistant to: hot water, acids, bases, ketones, HFC- and HFD- fluids, brake fluids based on polyglycols, lyes

Not resistant to: aliphatic, aromatic and chlorinated hydrocarbons, greases, fuels

Detailed information concerning chemical resistance see Rhondama Compatibility Chart