

EPDM WHITE FDA Ethylene propylene diene rubber
Mechanical, Physical and Thermal Properties

Properties	Condition	Standard	Unit		Unit	
Colour				white		white
Hardness	23°C	ISO 868	Shore A	82 ± 5	Shore A	82 ± 5
Modulus 100%	23°C	DIN 53 504	MPa	≥4	psi	≥580
Tensile Strength	23°C	DIN 53 504	MPa	≥8	psi	≥1160
Elongation at Break	23°C	DIN 53 504	%	≥280	%	≥280
Tear Strength	23°C	DIN ISO 34-1	kN/m	≥	lbf/inch	≥
Spec. Gravity	23°C	ISO 1183	kg/m ³	1230	g/cm ³	1,23
Rebound Elasticity	23°C	DIN 53 512	%	44	%	44
Abrasion	23°C	DIN 53 516	mm ³	0	mm ³	0
Compression Set	*	ISO 815	%	≤35	%	≤35
Compression Set	**	ISO 815	%		%	
Compression Set	***	ISO 815	%		%	
Minimum Service Temperature			°C	-45	°F	-49
Maximum Service Temperature			°C	130	°F	266
Temp. max water/stream			°C	130	°F	266
Temp. max hot air			°C	150	°F	302

* 24h 70°C 25% def.

** 24h 100°C 25% def.

*** 24h 150°C 25% def.

Chemical Properties

copolymer, based on ethylene, propylene and diene

Resistant to:(hot) water, acids, bases, ketones, HFC- and HFD- fluids, lyes

Not resistant to: aliphatic, aromatic and chlorinated hydrocarbons, greases, fuels, brake fluids based on polyglycols

Foodstuff approval: FDA Compliant

Maximum recommended service temperature (FDA Applications): 90°C