

E01 - EPDM Perox black

Ethylene propylene diene rubber

Mechanical, Physical and Thermal Properties

PROPERTIES	CONDITION	STANDARD	UNIT		UNIT	
Colour				black		black
hardness	23°C	ISO 868	Shore A	85 ± 5	Shore A	85 ± 5
hardness	23°C /15 sek.	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	%	≥ 60	%	≥ 60
tear strength	23°C	DIN ISO 34-1	kN/m	≥ 10	lbf/inch	≥ 55
spec. gravity	23°C	ISO 1183	kg/m ³	1220	g/cm ³	1,22
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	%	≤ 7	%	≤ 7
compression set	**	ISO 815	%	≤ 7	%	≤ 7
compression set	***	ISO 815	%		%	
minimum service temperature			°C	-45	°F	-49
maximum service temperature			°C	130	°F	266
temp. max water/steam			°C	130	°F	266
temp. max hot air, short			°C	180	°F	356

* 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, brake fluids based on polyglycols and lyes

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