

EPDM 85 Shore A black

Ethylene propylene diene rubber

Mechanical, physical and thermal properties

Material code: 0400H

Properties	Condition	Standard	Unit	Unit	Unit	
Color					black	
Hardness	23 °C	ISO 868	Shore A	85 ± 5	Shore A	85 ± 5
	23 °C/15sec.			85 ± 5		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
Specific 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
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Compression set	***	ISO 815	%		%	
Minimum service temperature			°C	-45	°F	-49
Maximum service temperature			°C	130	°F	266
Maximum temp. water/steam			°C	130	°F	266
Maximum temp. hot air			°C	180	°F	356

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

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