

E07 - EPDM 73 Black

Ethylene propylene diene rubber

Mechanical, Physical and Thermal Properties

PROPERTIES	CONDITION	STANDARD	UNIT		UNIT	
Colour				black		black
hardness	23°C /3 sek.	ISO 868	Shore A	76 ± 5	Shore A	76 ± 5
hardness	23°C /15 sek.	ISO 868	Shore A	75 ± 5	Shore A	75 ± 5
modulus 100%	23°C	DIN 53 504	MPa	≥ 5	psi	≥ 725
tensile strength	23°C	DIN 53 504	MPa	≥ 13	psi	≥ 1885
elongation at break	23°C	DIN 53 504	%	≥ 240	%	≥ 240
tear strength	23°C	DIN ISO 34-1	kN/m	≥ 5	lbf/inch	≥ 28
spec. gravity	23°C	ISO 1183	kg/m ³	1160	g/cm ³	1,16
rebound elasticity	23°C	DIN 53 512	%	40	%	40
abrasion	23°C	DIN 53 516	mm ³		mm ³	
compression set	*	ISO 815	%	≤ 12	%	≤ 12
compression set	**	ISO 815	%		%	
compression set	***	ISO 815	%		%	
minimum service temperature			°C	-50	°F	-58
maximum service temperature			°C	90	°F	194
temp. max water/steam			°C		°F	
temp. max hot air, short			°C	110	°F	230

* 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