

E04 - EPDM FDA blue MDx

Ethylene propylene diene rubber

Mechanical, Physical and Thermal Properties

PROPERTIES	CONDITION	STANDARD	UNIT		UNIT	
Colour				blue		blue
hardness	23°C /3 sek.	ISO 868	Shore A	81 ± 5	Shore A	81 ± 5
hardness	23°C /15 sek.	ISO 868	Shore A	81 ± 5	Shore A	81 ± 5
modulus 100%	23°C	DIN 53 504	MPa	≥ 4	psi	≥ 580
tensile strength	23°C	DIN 53 504	MPa	≥ 9	psi	≥ 1305
elongation at break	23°C	DIN 53 504	%	≥ 130	%	≥ 130
tear strength	23°C	DIN ISO 34-1	kN/m		lbf/inch	
spec. gravity	23°C	ISO 1183	kg/m ³	1300	g/cm ³	1,30
rebound elasticity	23°C	DIN 53 512	%	56,7	%	56,7
abrasion	23°C	DIN 53 516	mm ³	272	mm ³	272
compression set	*	ISO 815	%	≤ 13	%	≤ 13
compression set	**	ISO 815	%		%	
compression set	***	ISO 815	%		%	
minimum service temperature			°C	-30	°F	-22
maximum service temperature			°C	135	°F	275
temp. max water/steam			°C		°F	
temp. max hot air, short			°C	180 short	°F	356 short

* 24h 70°C 25% def. ** 24h 100°C 25% def. *** 24h 150°C 25% def.