

Technical specification

EPT Sealer EC-1200N series

Description

Low emission semi-closed cell EPDM foam with excellent sealing properties. Seal gaps against water, wind, dust, noise and heat. Resistance to UV, humidity, high and low temperatures. Optimal sealing performance is obtained even with expansion or contraction of the structure caused by temperature changes. Can be applied on rough, smooth and low energy surfaces. Excellent ageing and acoustic performance.

Properties	Unit	Value	Test method
Thickness	Mm	5-30	ISO 1923
Density	Kg/m ³	90	ISO 845
Elongation MD (machine direction)	%	170	JIS K 6767
Tensile strength, MD (machine direction)	kPa	48	JIS K 6767
50% compression load	kPa	4	Nitto Europe test
Compression set			
72h at 23°C	%	4	ISO 1856
22h at 70°C	%	10	ISO 1856
Water tightness (70%)		No leakage	Nitto Europe U-shape method
Acoustic performance		Excellent	Nitto Europe Test
Fogging	Mg	1,5	DIN 75 201
Formaldehyde emission	Mg/kg	0,1	VDA 275
Volatile organic components	µC/g	10	VDA 277
Adhesion on BA steel at 180°C	cN/20mm	Min. 400	JIS Z 0237
Flammability (ref. 10mm)	Mm/min	< 100	FMVSS 302
Water tightness (60%)		No leakage	Nitto Europe U-shape method
Temperature resistance (dimensional stability)	°C	General -40/+135	
Chemical resistance* , immersion at 20°C for 7 days		Stable	
Ozone resistance**		No cracks	Visual inspection
Temperature range	°C	-40/+135	

* Test solution: acid (1%H₂SO₄) alkaline (1%NaOH), test performed on tensile strength and elongation acc. to JIS K6767

** Test conditions: 75 ppm ozone, 40°C, 30 days, 20% elongated sample

This specification is given by our best knowledge and might be submitted to changes.