


- EN45545-2 COMPLIANT
- AUTOMOTIVE EI RAILWAY
- INDUSTRY AIRCRAFT
- EXCELLENT FIRE RESISTANCE
- LOW SMOKE
- HIGH TECHNICAL PERFORMANCE



TECHNICAL DATA	TEST METHOD	RESULTS
BASE		NEOPRENE
Density	ASTM D1056	140 +/- 20Kg/M3 8,7 +/- 1,24 Lb/ft3
Classification	ASTM D1056 NFR 99211 ASTM D6575	2C2 3C 08 83 TYPE 2 GRADE A
Spring Hardness C		22°
Compression deflection 25%	ASTM D1056	35 - 65 kPa *42 typical 5 - 9,4 psi
Compression deflection 50 %	ASTM D1055	80 - 160 kPa 77,6 - 23,2 psi
Compression Set 23°C, 22H	ISO 1856	23%
Tensile Strength	DIN 412	> 520 KN
Vacuum Water absorption	ASTM D1056	<4%
Elongation to break / Rupture	DIN 53571	155%
Temperature range		-40 +120°c -40+248°F
Flammability	UL 94	HF-1 (File nr : QMF22.E350291) Self extinguish/Auto extinguible
Fire Classification EN 45545-2	R22-R23	HL1/HL2 (+HL3 with exception)
Federal Railroad Administration (USA)	FIRE ASTM C 1166	PASS
Gas Emission	BOEING BSS7239	PASS
Smoke Opacity	ASTM E 662	PASS
Ozone resistance (100pphm,40°C- 2H)	ASTM D1149	No Cracking
Paint staining	NFT 46-031	Staining
Copper and Silver		Corrosive
Environmental Protection		Can be recycled REACH - RoHS conformable IMDS available
Dimension of blocks		2000x1000x50 mm 78,8x39,4x2 inch +/-3 Skin/Skin +/-0.1 Skin/Skin
Regular Colour Code		
Storage conditions		Store in a well-ventilated place at room temperature

The information given above is based upon average values and is no way intended as a warranty. The purchaser is deemed responsible for determining the suitability of the product for any particular application. All data relating to suitable uses and descriptions information concerning our products are compiled from research and are believed to be reliable but are provided for guidance purposes only. The company holds no legal or contractual responsibility for information supplied.

SUMMARY OF RESULTS

Specification documents: EN 45545-2 (March 2013)

Tested thickness: (4.0 ± 0.5) mm

Applicable requirement (on customer's request)

R22

According to the whole test results, the material complies with all the criteria for hazard level(s):

HL1, H2

Standard	Parameter (unit)	Maximum / Minimum	HL1	HL2	HL3	Obtained results	Reached HL	Test report
EN ISO 4589-2	IO (%)	Min	28	28	32	30	HL1, HL2	P134238 – DE/2
EN SO 5659-2 25 kw/m ²	Dsmax	Max	600	300	150	56.1	HL1, HL2, HL3	P134238 – DE/1
NF X70-100-1 NF X70-100-2	ITCPNL CITNLP	Max	1.2	0.9	0.75	0.07	HL1, HL2, HL3	P134238 – DE/3

Applicable requirement (on customer's request)

R23

According to the whole test results, the material complies with all the criteria for hazard level(s):

HL1, H2

Standard	Parameter (unit)	Maximum / Minimum	HL1	HL2	HL3	Obtained results	Reached HL	Test report
EN ISO 4589-2	IO (%)	Min	28	28	32	30	HL1, HL2	P134238 – DE/2
EN SO 5659-2 25 kw/m ²	Dsmax	Max	-	600	300	56.1	HL1, HL2, HL3	P134238 – DE/1
NF X70-100-1 NF X70-100-2	ITCPNL CITNLP	Max	-	1.8	1.5	0.07	HL1, HL2, HL3	P134238 – DE/3