

Pure Neoprene Sponge Cellular Rubber



Typical Applications: • Automotive • Railway • Industry • Aircraft

Features/Benefits:

• Excellent Fire Resistance • Low Smoke, Low Toxicity • High Technical Performance

Available in: • Blocks, Sheets & Rolls

PROPERTY	TYPICAL RESULTS	TEST METHOD
Base	Chloroprene	-
Density	140 ±30 Kg/m ³	ISO 845
Classification	2C2 3C 08 B3	ASTM D1056-07 NFR 99211
Hardness	22 ±5 55 ±5	Shore C Shore 00
Compression Deflection 25%	35-65 kPa	ISO 3386
Compression Deflection 50%	80-160 kPa	ISO 3386
Compression Set 50% 24hrs @23°C	<25%	ISO 815-1
Tensile Strength	>300 kPa	ISO 1798
Elongation to Break/Rupture	>155%	ISO 1798
Water Absorption	<5%	ISO 6916
Flame Retardancy	HF1	UL 94
Fire - Smoke - Toxicity	HL1, HL2, HL3 (<i>with exceptions - see page 2</i>)	EN 45545-2
Smoke Opacity	Pass	ASTM E662
Gas Emission	Pass	BSS 7239
Dielectric Rigidity	>10482.2 kV/cm (<i>no breakdown at 5kV</i>)	NF ISO EN CEI C26-225
Ozone Resitance	No Cracking	ISO 1431-1
Resistance AIR + UV	Good	-
Temperature Range	Constant Intermittent	-50°C +110°C +120°C
Environmental Protection	Recyclable - CFC & HCFC Free - REACH/ROHS	-
Storage Conditions	Store in a well ventilated place at room temperature	

Dimensional Tolerances: are typically class 3 as standard, unless otherwise stated. Class 2 and Class 1 tolerances on request, in most instances.

Disclaimer: All recommendations and information contained in this specification sheet are to the best of our knowledge correct. Since conditions of service are beyond our control, users must satisfy themselves that the products are suitable for intended use. No warranty is given or implied in respect of information or recommendations or that any use of products will infringe rights belonging to other parties. In any event or occurrence our liability is limited to the invoice value of our goods delivered to you. We reserve the right to change product design and properties without notice.

J-FLEX Rubber Products

Units 1 & 2, London Road Business Park, Retford, Nottinghamshire, DN22 6HG, United Kingdom

tel: +44 (0) 1777 712400 email: sales@j-flex.com web: www.j-flex.com



Summary of Results

Specified Documents: **EN45545-2 (July 2019)**

Tested Thickness: **3.0mm (±0.5mm)**

Applicable requirement (on customers request): **R22**

According to the whole test results, the material complies with all the criteria for hazard level(s): **HL1**

Standard	Parameter (Unit)	Max/Min	HL1	HL2	HL3	Obtained Results	Reached HL	Test Report
EN ISO 4589-2	IO%	Min	28	28	32	29.5	HL1, HL2	P194920-DEC/2
EN ISO 5659-2 25kw/m ²	Dsmax	Max	600	300	150	46.3	HL1, HL2, HL3	P194920-DEC/1
NF X70-100-1 NF X70-100-2	ITCPNL	Max	1.2	0.9	0.75	0.99	HL1	P194920-DEC/3

Applicable requirement (on customers request): **R23**

According to the whole test results, the material complies with all the criteria for hazard level(s): **HL1, HL2**

Standard	Parameter (Unit)	Max/Min	HL1	HL2	HL3	Obtained Results	Reached HL	Test Report
EN ISO 4589-2	IO%	Min	28	28	32	29.5	HL1, HL2	P194920-DEC/2
EN ISO 5659-2 25kw/m ²	Dsmax	Max	-	600	300	46.3	HL1, HL2, HL3	P194920-DEC/1
NF X70-100-1 NF X70-100-2	ITCPNL	Max	-	1.8	1.5	0.99	HL1, HL2, HL3	P194920-DEC/3

Dimensional Tolerances: are typically class 3 as standard, unless otherwise stated. Class 2 and Class 1 tolerances on request, in most instances.

Disclaimer: All recommendations and information contained in this specification sheet are to the best of our knowledge correct. Since conditions of service are beyond our control, users must satisfy themselves that the products are suitable for intended use. No warranty is given or implied in respect of information or recommendations or that any use of products will infringe rights belonging to other parties. In any event or occurrence our liability is limited to the invoice value of our goods delivered to you. We reserve the right to change product design and properties without notice.

J-FLEX Rubber Products

Units 1 & 2, London Road Business Park, Retford, Nottinghamshire, DN22 6HG, United Kingdom

tel: +44 (0) 1777 712400 email: sales@j-flex.com web: www.j-flex.com

