



NBR FOAM (OIL RESISTANT)

MATERIAL SPECIFICATION SHEET

PROPERTY	STANDARD		AVERAGE VALUE	
Specifications, standards	ASTM D 1056-07 UL 94		2B2 A1 B2 e ≥ 2mm HF1	
Density	ISO 845-88		150 +/- 20 kg/m ³	9.36 +/- 1.25lb/ft ³
Hardness	ASTM D 2240	SHORE 00	40 - 55	
Compression	ASTM D 1056-07	at 25%	45 kPa 6.52 psi *	35-65 kPa 5.1-9.4 psi
Compression Set	ASTM D 1056-07	22h/50%/23°C (70°F)	19% *	≤ 5%
Vacuum-water absorption	ASTM D 1056-07		2% *	≤ 5%
Accelerated ageing 7d at 70oC (158oF)	ISO 188	Dimensional change	-4% *	-5% / 0%
	ASTM D 1056-07	Change of compression resistance	5% *	-30% / +30%
Ultimate elongation	ISO 1798-97		150% *	
Tensile strength	ISO 1798-97		1000 kPa 145 psi *	
Tear resistance	ISO 34-1 (B-a)-94 ASTM D624 DIE C		3.3 kN/m 18.84 Lbf/in *	
Ozone resistance	ISO 1431-1 (2004)	20% elongation / 40°C / 200 ppm	>336h No cracking	
Temperature range	7 days constant		-40°C / +90°C	-40°F / +185°F
	5h Intermittent		+110°C	+230°F
Block size 2 skins	2000 mm (+/-3%) x 1000mm x 50mm +/-2 **			
Logistics identification	35 Blocks/pallet	Storage: Outdoor (with cover)	Colour code: Yellow + Purple	
Environmental protection	RECYCLABLE	(CE) No 1907/2006 (REACH) 2000/53/CE (ROHs) 2002/95/CE IMDS GADSL CFC free		

General Features: Excellent resistance to oils and fuel, good fire resistance.

* = average

** = Minimum thickness 2 skins within the specified surface



ISO 9001:2015 Q93057 ISO 14001:2015 EMS 505718

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