

Specification Sheet / 01

A312 Closed Cell Expanded Neoprene Firm Grade



ISO9001, ISO14001, ISO45001
Certificate Ref: 11738

Property	Unit	Result	Test Method
Specification according to:			
ASTM D1056-07			2 C3 A1 B2 P
NFR99-211-80/RENAULT 03-10-102/PSAB67 1016			3C 16 B3
FMVSS 302(49 CFR Ch.V § 571.302)/ISO 3795			PASS e >= 2MM
UL94			e>=2mm HF1
Colour		BLACK	
Cellular Structure		Closed	
Density	kg/m ³	180 +-25	ISO845
Shore hardness 00		50-60°	ASTM D 2240
Compression deflection 25 % deflection	kPa	65-90	ASTM D1056-07
Compression deflection 50% Deflection	Kpa	130-270	NFR 99211-80
Water absorption	%	<5	ASTM D1056-07
Compression set 50 % deflection 22 h 23 °C	%	<= 25	ASTM D1056-07 at 23°C
Compression set 50 % deflection 22 h 40 °C	%	< 80	NFR 9921180 at 40°C
Accelerated ageing after 7 days at 70°C- Dimensional change	%	-8/0	ISO 188
Accelerated ageing after 7 days at 70°C- change in compression	%	-30/+30	ASTM D1056-07
Dimensional Stability- change of dimension after 3 h at 80C	%	-5/0	FORD WSK-M2D419-A
Ultimate Elongation	%	139	ISO 1798
Tensile Strength	Kpa	1050	ISO 1798
Tear Resistance	kN/m	3.6	ISO 34-1 (Ba) / ASTM D624 DIE C
Ozone Resistance		200 pphm 30°C/24h 20% Elongation, No Cracking	ISO 1431-1 (2004)
Temperature Range	Continuous	-40°C to +85°C	
Temperature range	Intermittent	up to 110°C	
Environmental protection		Recyclable	(CE)No 1907/2006 (reach)_2000/53/ce_2002/95/ ce(rohs)_imds_gadsl_cfc free

Change Control Date	Change
3/2/16	Created
23/11/22	Change

The above figures are average values.

We recommend that you examine any material you select to ensure its suitability for your application.

Tolerance(s) applied in accordance with ASG specification No WI007 (<https://bit.ly/3nKm6Hj>) unless otherwise stated.

Our standard terms and conditions of trading (<https://bit.ly/3b3mThw>) apply at all times.

