

Specification Sheet / 01

A312 Closed Cell Expanded Neoprene Firm Grade



Certificate No. 11738-EMS-001
ISO 9001:2015 ISO 14001:2015

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

