Polymer Works, Hope Street
Dudley, West Midlands DY2 8RS

t: 01384 252555
f: 01384 252373
e: technical@advancedseals.co.uk

http://www.advancedseals.co.uk

Specification Sheet / 01
222b Red Closed Cell Expanded Neoprene

8320
Certificate No. 11738-EMS-001
ISO 9001:2015 ISO 14001:2015

Property	***Unit***	***Result***	***Test Method***
Specification according to:			
ASTM D1056-87			2 C2/3 A2 B2 C1 M
NFR99-211-80/RENAULT 03-10-102/PSAB67 1016			3C 08 -16 B4 G2
FMVSS 302(49 CFR Ch.V § 571.302)/ISO 3795			PASS
UL94			e >= 2MM UL94 HF1
Colour		RED	
BLOCK SIZE		1600 x 1000 x 30	
Cellular Structure		Closed	
Density	kg/m³	180 +- 20	ISO845-88
Shore hardness 00		40-50°	ASTM D 2240
Compression deflection 25 % deflection	kPa	45-75 (59)	ASTM D1056-07
Compression deflection 50% Deflection	Kpa	110-190 (142)	NFR 99211-80
Water absorption	%	<=5 (1.9)	ASTM D1056
Compression set 50 % deflection 22 h 23 °C	%	<= 25 (11)	ASTM D1056-07 at 23°C
Compression set 50 % deflection 22 h 40 °C	%	< =60 (33)	HFR 9921180 at 40°C
Accelerated ageing after 7 days at 70°C- Dimensional change	%	-7/0 (-4.5)	ISO 188
Accelerated ageing after 7 days at 70°C- change in compression	%	-30/+30(6.8)	ASTM D1056-07
Dimensional Stability- change of dimension after 3 h at 80C	%	-5/1 (-2.2)	FORD WSK-M2D419-A
Ultimate Elongation	%	345	ISO 1798-97
Tensile Strength	Kpa	640	ISO 1798-97
Tear Resistance	kN/m	2.9	ISO34-1 (B-a)-94/ASTM D624 DIE C
Tear Resistance	kN/m	> 2 (3.09)	ASTM D624 73
Ozone Resistance		200 pphm 40°C/8h, No Cracking	
Temperature Range	Continuous	-30°C to +90°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***
14/10/14	Created

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Specification Sheet / 02
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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.