

Technical Datasheet – EPDM Cellularrubber B

Properties	Test Method	Unit	Tolerance	Value
Specifications, Standards	ASTM 1056-07			2A1/2 A2 B2 C2 F1 M P
	NF R 99211-80 / Reault 03-10-102 / PSA B67 1016			2C 08 B4 C2 P2
	FMVSS 302 (49 CFR Ch. V § 571.302) / ISO 3795			Conforme / pass / entsprechend e ≥ 3mm
	UL 94			e ≥ 7mmUL94 HBF
Density	ISO 845-88	kg/m ³	±25	110
Hardness	ASTM D 2240	SHORE 00		25 - 45
	SRIS 0101	ASKER C		13 *
Compression – Deflection	ASTM D 1056-07	kPa	á 25%	35kPa / 20 - 50kPa
	NF R 99211-80	kPa	á 50%	97kPa / 80 - 160kPa
Compression set	ASTM D 1056-07 22h / 50% 23° C	%	20% *	≤ 25%
	NF R 99211-80 22h / 50% 40° C	%	43% *	≤ 60%
Vacuum Water absorption	ASTM D 1056-07	%	3.2% *	≤ 10%
Accelerated ageing	ISO 188 Dimensional change	%	-1.6% *	-5% / 0%
	ASTM D 1056-07 Change of compression resistance	%	-4.2% *	-30 / +30%
Dimensional stability	FORD WSK-M2D419-A Change of dimension after 3hrs. at 80° C	%	-1.6% *	-5% / +1%
Ultimate elongation	ISO 1798-97	%		160% *
Tensile strength	ISO 1798-97	kPa		468
Tear resistance	ISO 34-1 (B-a)-94 / ASTM D624 DIE C	kN/m		1.5
Ozone resistance	ISO 1431-1 (2004) 20% elongation / 40° C / 200 pphm		>336hrs.	No cracking
Temperature range	7 days	° C	Constant	-40° C / +100° C
	5 hrs.	° C	Intermittent	+110° C
Block size 2 skins				2000 (±3%) x 1000 (±3%) x 70 ±2mm
Environmental protection	(EC) N° 1907/2006 (REACH)_2000/53/ EC_2011/65/EU(ROHs)_IMDS_GADSL_CFC free			Recyclable
Certificate	Directive 2011/65/EU ROHs3 & 2015/863/EU - Cd, Cr VI, Hg, Pb, PBB, PBDE, DEHP, BBP, DBP, DIBP	%	< 0.1%	Conform

For substances non intentionally introduced, values are given according to our actual knowledge