HUTCHINSON®

Bulatex® S166

Closed cells EPDM-based

Good compression set
Conformable on irregular surfaces

- Anthracite black

Classification	ASTM D1056	2 A1 A2 B2 C1 F1 M P
	BMW N 603 00.0	A 941 EPDM 3 1 0.05
	GMW 17408	Class II Type IV
	PSA B65 4360	Approved by PSA FTM37 0015
		EPDM 08 X C2 04/08 4100X0
	RENAULT 03-10-102	2 C 04/08 B4 C2 P1 except tearing resistance
	VW TL 52065	Depends on drawing requirements

Properties	Test Conditions -Standard	Values / Units	
Density	ISO 845	80 ± 15 kg/m^3	5 ± 1 lb/ft^3
Hardness (1)	ASTM D 2240	20 Shore 00	
Compression deflection 25%	ASTM D1056	15 - 35 kPa (average 25)	2.1 – 5.1 psi (average 3.6)
Compression deflection 50%	NFR 99 211	55 - 105 kPa (average 80)	8.0 – 15.2 psi (average 11.6)
Compression set 23°C	ASTM D1056 50%, 22 h, 23°C	≤ 35 %	
Compression set 40°C	NFR 99-211 50%, 22H, 40°C	≤ 60 %	
Linear shrinkage	HUT CID INS LAB 10 003 After 7 days at 70°C	≤ 5 %	
Tearing resistance	NFR 99-211	≥ 0,3 daN/cm	≥ 1.7 lbf/in
Vacuum water absorption	NFR 99-211	≤ 5%	
Total carbon emission (1)	VDA 277 / PV 3341	4 µg C/g	
Volume resistivity (1)	IEC 60 093 120x120x2 mm -500V	10^{15}Ω.cm	
Fire resistance	US FMVSS 302 - UL94 to be confirmed acc. to final configuration	Pass < 100 mm/min HBF ≥ 3 mm	Pass < 3.94 in/min HBF ≥ 0.12 in
Gross block dimensions	Thickness 2 skins within the specified surface	min 2000 x 1000 x 65 mm	min 78.74x 39.37x2.56 in

Temperature range (1)		
Continuous	-40°C / +120°C	-40 °F/+248°F
Peak	+140°C	+284°F
Glass transition (DSC)	-56°C	-68°F
Heat capacity (DSC)	1.6 to 2.4 J.g^{-1}.°C^{-1}	
	0.38 to 0.57 Btu.lb^{-1}.°F^{-1}	

Chemical resistance (1)	
Oil	Low
Ozone	Excellent
Air + UV	Excellent

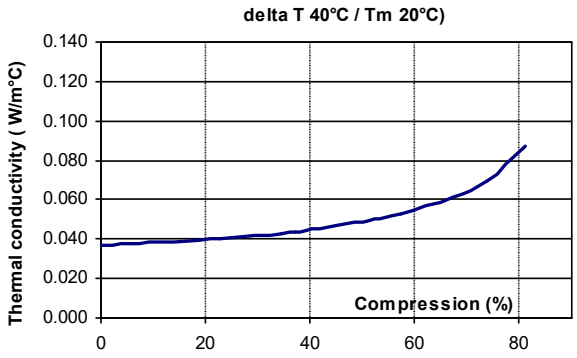
(1) Indicative information value only

Bulatex® S166

Hard
Classic
Soft
Very Soft

Thermal conductivity (1)

Acc. to ISO 8301 for density = 80 kg/m ^{3} 5lb/ft^3

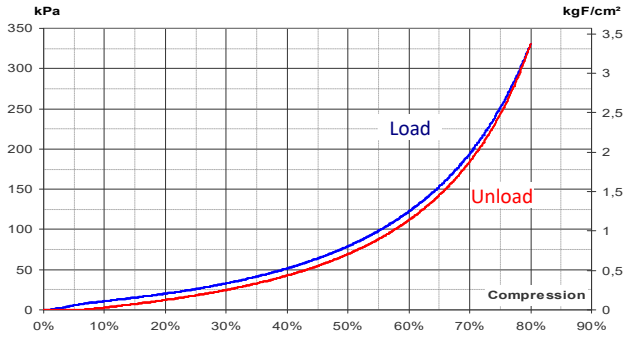


1 W.m^{-1}. °K^{-1} = 0.5777 BTU$_{IT}$. Hr^{-1}.ft^{-1}. °F^{-1}

T Celsius = (T Fahrenheit - 32) × 5 / 9

Compression deflection: load & unload (1)

For density = 80 kg/m ^{3} 5lb/ft^3



1kPa = 0.145 psi

1kgF/cm²= 14.223 psi

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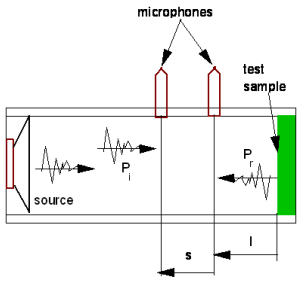
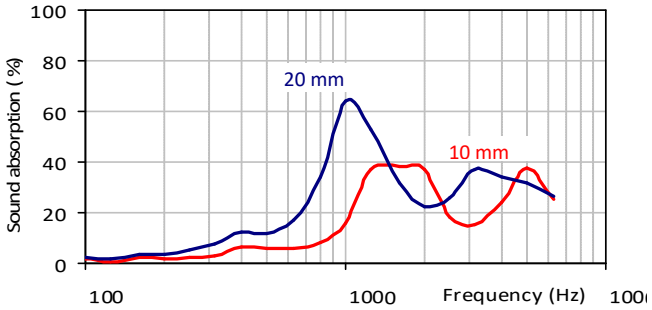
Acoustic (1)

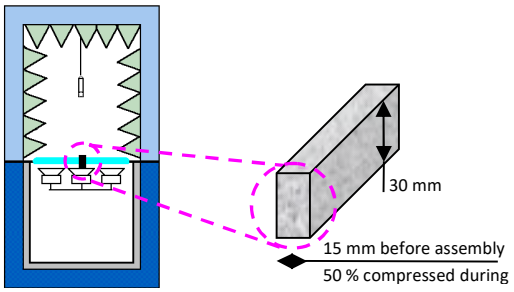
Absorption: Kundt's pipe acc. to EN ISO 10534-2

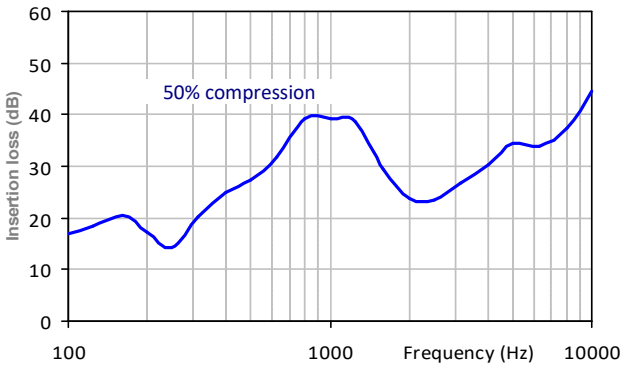




Insertion loss acc. to B39 6130

Measure of the acoustic insulation gain provided by the filling of a 7.5 mm slit by a seal thickness 30 mm





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