



Flexible Polyurethane Foam - V50080
Gross Density - 50 kg/m³, Hardness - 80 N
Viscoelastic polyether

Valid from 2012-05-02

Issued by

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Chemical engineering/HSEQ

Specifications

Colour	white	
Net Density	45-49	kg/m ³
Hardness	80 ± 15%	N
Permeability	-	cm wc
Air resistance	-	kPa.s/m ²
Fogging	-	% reflection
Volume resistivity	-	ohm cm
Surface resistivity	-	ohm

Flame specifications

Burning rate	-	mm/min (FMVSS 302)
EN 1021-1	pass	
EN 1021-2	-	
BS 5852 pt 2/crib 5	-	(Statutory Instrument No 1324)
EN 597-1	pass	
EN 597-2	-	
California 117 A	-	
California 117 D	-	

Typical values

Compression set	-	%
Tensile strength	-	kPa
Elongation	-	%
Tearing strength	-	N/cm

Foam certifications

CertiPUR	yes	more info. at www.europur.com
Öko-Tex	-	more info. at www.oeko-tex.com
ESD-approval	-	

Parameter	Testmethod	According to	Remarks
Density	ReGi 02	ISO 845	
Hardness ILD-40 %	ReGi 03	SS-ISO 2439 B	
Hardness CDH-40 %	ReGi 04	ISO 3386	
Compression set	ReGi 05	SS-EN ISO 1856	75% 22 h 70° C
Burning rate	ReGi 08	FMV SS 302	
Air permeability	ReGi 06	Recticel SS/T.015.0	
Air resistance	ReGi 07	ASTM C522	
Fogging	ReGi 09	ISO 6452; DIN 75201-A	6 h 75° C
Tear resistance	ReGi 12	SS-EN ISO 8067	
Tensile strength	ReGi 11	SS-ISO 1798	
Elongation	ReGi 11	SS-ISO 1798	
Resistivity	ReGi 10	ASTM D257	volume & surface resistivity