



Flexible Polyurethane Foam - C45190
Gross Density - 45 kg/m³, Hardness - 190 N
Combustion Modified High Resilient polyether

Valid from 2014-01-28

Issued by

/Maria Thom
Chemical engineering/HSEQ

Specifications

Colour	white	
Net Density	40-44	kg/m ³
Hardness	190 ± 15%	N
Permeability	<5	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	pass	
BS 5852 pt 2/crib 5	pass	(Statutory Instrument No 1324)
EN 597-1	pass	
EN 597-2	pass	
California 117 A	pass	
California 117 D	pass	

Typical values

Compression set	4	%
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

Postal address Swerea IVF AB Box 104 SE-431 22 MÖLNDAL Tfn +46 (0)31 706 63 00 Fax +46 (0)31 706 63 65		Visiting address Argongatan 30, SE- 431 53 MÖLNDAL Org. nr. 556053-1526 VAT no. SE556053-152601	
Client Tyggrossisten i Borås AB Ödegärdesgatan 504 94 Borås	Client's ref. nr.		
	Contact person Mikael Larsson	Our ref. nr. 5120178	

Object: Determination of ignitability.

Test material: One black fabric designated
Art. Kolpman Indestructible.
Col. Black
Comp. 65 PES 35 CO

The test material was received from the client 2012-02-20.
The commission was performed 2012-02-20—29.

**Procedure
and results:**

Pre-treatment

Washing and drying was performed according to
SS-EN ISO 6330:2001+A1:2009
Washing procedure: 2 A (60 °C)
Detergent used: 4 (IEC A*+ sodium perborate+TAED)
Dosage: 20 g/wash cycle
Number of washes: 5
Total load (loading fabric and test specimens): 2kg
Loading fabric: 100 % knitted Polyester, (310±20) g/m²
The material was dried after every wash.
Drying: Procedure E, tumble dry (not an accredited method)
Tumble dryer: Electrolux T2130
Temperature: max 50
Deviations from the standard:
The detergent was added to the machine without dissolving.

Ignitability to smouldering cigarette was determined according to SS-EN ISO 12952-1:2010.

The set up for unfolded materials was used.

Cigarettes used: 100^s Look Original.

All cigarettes were ignited at the same time.

Specimen 1

The test material did not ignite

Specimen 2

The test material did not ignite

As the method generates no quantifiable results, the uncertainty of measurement can not be specified.

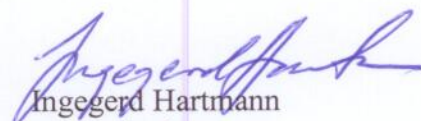
The above results relate only to the **ignitability** of the used combination of materials under the particular conditions of test; they are not intended as a means of assessing the full potential fire hazard of the materials in use.

All results relate only to the material tested.

Mölndal, 2012-03-01
Swerea IVF
Textiles & Plastics Department



Helena Hjärtnäs
Testing Manager,
Testing, Analysis and Certification



Ingegerd Hartmann
Project leader