



Johns Manville

World Headquarters

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SpunFil™
Polyester Spunbond
Type 478/235

Product Technical Data Sheet

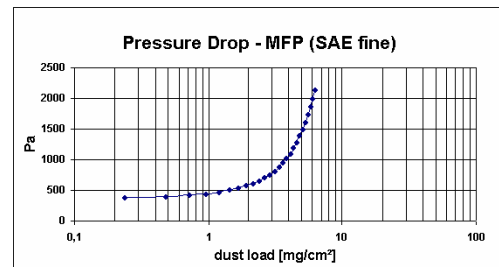
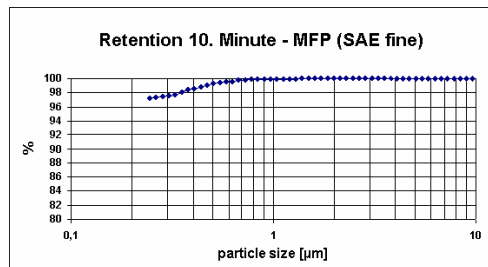
Properties (Typical)	Metric Units	
Weight per area unit	[g/m ²]	235
Thickness	[mm]	0,59
Max. tensile strength MD	[N/50 mm]	750
Max. tensile strength CD	[N/50 mm]	630
Air permeability	[l/m ² ·s 200 Pa]	180
BGIA classification		M

Tolerances and test methods for the average results:

Weight per area unit	± 5 %	DIN EN 29073-1
Thickness	± 15 %	DIN EN ISO 9073-2
Max. tensile strength	- 10 % ¹	DIN EN 29073-3
Air permeability	± 25 %	DIN EN ISO 9237
BGIA classification		DIN EN 60335-2-69

Notes:

¹ No upper limit.



The physical (or chemical) properties of Johns Manville products represent typical average values obtained in accordance with accepted test methods at the time of manufacture and are subject to normal manufacturing variations. They are supplied as a technical service and do not constitute legally binding statements with respect to the quality of the products or with respect to their suitability for a particular application. In particular, they should not be construed as guaranteeing specific properties of the products described. It is customer's duty to examine the suitability of the products for the applications for which they are intended. The properties are subject to change without notice. Check the Johns Manville office to assure current information. The Johns Manville Terms and Conditions of sale including the Limited Warranty and Limitation of Remedy apply. For a copy of the Terms and Conditions of Sale or other product information, contact your local Johns Manville representative.

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