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**DuraSpun®**  
Polyester Spunbond  
**T 011/340**



**0991**  
**02**  
**0991-CPD-0001**

**Johns Manville GmbH, Wupperstrasse 10, D-14167 Berlin**

**EN 13249:2000-12 + EN 13249/A1:2005-01**  
**EN 13251:2000-12 + EN 13251/A1:2005-01**  
**EN 13253:2000-12 + EN 13253/A1:2005-01**  
**EN 13255:2000-12 + EN 13255/A1:2005-01**  
**EN 13257:2000-12 + EN 13257/A1:2005-01**

**EN 13250:2000-12 + EN 13250/A1:2005-01**  
**EN 13252:2000-12 + EN 13252/A1:2005-01**  
**EN 13254:2000-12 + EN 13254/A1:2005-01**  
**EN 13256:2000-12 + EN 13256/A1:2005-01**  
**EN 13265:2000-12 + EN 13265/A1:2005-01**

Geotextiles used for Filtration (F), Reinforcement (R) and Separation (S) in the construction of roads and other traffic areas, railways (excl. asphalt inclusion), in earthworks, foundations and retaining structures, in drainage systems, in erosion control works (coastal protection, bank revetments), in the construction of reservoirs, dams and canals, in solid waste disposals and in liquid waste containment projects.

**Technical Product Data**

Test criterion	Test norm	Unit	Mean value	Tolerance
Max. tensile strength/MD	EN ISO 10319	[kN/m]	21	-2.1
Max. tensile strength /CD	EN ISO 10319	[kN/m]	17	- 1.7
Elongation at max. tensile strength/MD	EN ISO 10319	[%]	63	± 15
Elongation at max. tensile strength/CD	EN ISO 10319	[%]	68	± 15
Hole size cone drop test	EN ISO 13433	[mm]	14	+ 2
CBR	EN ISO 12236	[kN]	4	- 0.5
Opening size	EN ISO 12956	[µm]	90	± 20
Water permeability	EN ISO 11058	[10 <sup>-3</sup> m/s]	2.5	± 1.5

**Durability:**

- to be covered within 30 days after installation
- durable for a minimum of 25 years for applications without reinforcement function in natural soils with 4 <pH <9 and soil temperature <25°C.

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