



**PRODUCT TECHNICAL DATA SHEET**  
**Spunbond Grade SB25**  
**Homopolymer**

**Description**

Orientene SB 25 is made using UNIPOL™ POLYPROPYLENE TECHNOLOGY, which combines the production efficiency of gas phase, fluidized bed reactors with the high activity stereo specificity of SHAC® catalyst system and Advanced Donner Technology ADT. This product specially designed for production of non-woven fabrics Spunbond.

**Features**

Orientene SB25 designed to provides:

- Consistent Processability, Outstanding color stability, and Excellent thread line stability on different types of Reicofil lines including high speed Spunbond Reicofil IV
- Complies with, USA FDA code of Federal Regulations CFR21 § 177.1520 (C) 1.1 (Olefin polymers), and other food contact regulation of EU directives & UK regulations.
- Comply with REACH regulations

Properties	Value	Unit	Test Method
Melt Flow (230 °C/2.16 kg)	25.5	g/10 min	ASTM D-1238 ISO 1133
Density @ 23 °C	0.9050	g/cm <sup>3</sup>	ASTM D-1505, ISO R 1183
Tensile Strength @ yield (50 mm/min.)	30	MPa	ASTM D-638* ISO 527
Tensile elongation @ yield (50 mm/min.)	9.5	%	ASTM D-638* ISO 527
Flexural modulus (1% Secant), @ 1.3 mm/min	1459	MPa	ASTM D 790 A* ISO 178
Notched izod Impact @ 23 °C	27	J/M	ASTM 256 A* ISO 180
Heat deflection Temp @455 KPa	104	°C	ASTM D 648 ISO 75

\*ASTM D638 Molded and tested in accordance with D4101

**Note**

- 1-The values given in this data sheet are the result of tests carried out in accordance with standard procedures. They are given as indication to enable customers to make the best use of our products but must considered as average values providing without any implying any undertaking on our part.
- 2- Data should not be used for specification works.