



**PRODUCT TECHNICAL DATA SHEET**  
**Phenol Free Fiber Grade FFF27**

---

**Description**

Orientene FFF 27 is made via UNIPOL™ POLYPROPYLENE TECHNOLOGY, which combines the production efficiency of gas phase, fluidized bed reactors with the high activity and stereo specificity of SHAC® catalyst

system and Advanced Donner Technology ADT. This product contains no Phenol compounds. Specially designed for production of fine fiber in spinning processes for staple, BCF, and multifilament. The product is Non- Gas fading for clear white and light color carpet yarns

**Features**

Orientene FFF27 designed to provides:

- Outstanding color stability
- Consistent processability
- Non-gas fading yarns
- Excellent thread line stability
- Phenol free resin
- 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)	26	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.)	32.7	MPa	ASTM D-638* ISO 527
Tensile elongation @ yield (50 mm/min.)	8.3	%	ASTM D-638* ISO 527
Flexural modulus (1% Secant), @ 1.3 mm/min	1203	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.