



PRODUCT TECHNICAL DATA SHEET

Mold Grade MD12

Homopolymer

Description

Orientene MD 12 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. This product is mainly recommended for injection molding processes, thick wall articles, such as Garden furniture, sanitary items ... etc.

Features

Orientene MD 12 is designed to provide:

- Consistent and good processability
- High mechanical properties
- Good antistatic properties
- Complies with USA FDA code of Federal Regulations CFR21 § 177.1520 (C) 1.1 (Olefin polymers) and other food contact EC directives & UK regulations
- Comply with REACH regulations

Properties	Value	Unit	Test Method
Melt Flow (230 °C/2.16 kg)	12	g/10 min	ASTM D-1238 ISO 1133
Density @ 23 °C	0.9050	g/cm ³	ASTM D-1505, ISO R 1183
Tensile Strength @ yield (50 mm/min.)	31.9	MPa	ASTM D-638* ISO 527
Tensile elongation @ yield (50 mm/min.)	9.7	%	ASTM D-638* ISO 527
Flexural modulus (1% Secant), @ 1.3 mm/min	1322	MPa	ASTM D 790 A* ISO 178
Notched izod Impact @ 23 °C	35	J/M	ASTM 256A* ISO 180
Heat deflection Temp @455 KPa °C	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 be considered as average values providing without any implying any undertaking on our part.

2- Data should not be used for specification works.