

ORIENTENE RF 03

Polypropylene Homopolymer
Oriental Petrochemical Company

Message:

ORIENTENE RF 03 is a Polypropylene Homopolymer (PP Homopolymer) material. It is available in Africa & Middle East.
Important attributes of ORIENTENE RF 03 are:
Food Contact Acceptable
Good Processability
High Strength
Typical applications include:
Fabrics/Fibers
Food Contact Applications
Yarn

General Information			
Features	Food Contact Acceptable		
	Good Color Stability		
	Good Processing Stability		
	High Strength		
	Low Water Carryover		
Uses	BCF Yarn		
	Fibers		
	Staple Fibers		
Agency Ratings	EU 2002/72/EC		
	FDA 21 CFR 177.1520(c) 1.1		
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm ³	ISO 1183, ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.1	g/10 min	ASTM D1238, ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield ¹	32.0	MPa	ASTM D638
Yield	32.0	MPa	ISO 527-2/50
Tensile Elongation			
Yield ²	9.0	%	ASTM D638
Yield	9.0	%	ISO 527-2/50
Flexural Modulus - 1% Secant ³	1400	MPa	ASTM D790A, ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	35	J/m	ISO 180, ASTM D256A
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (0.45 MPa, Unannealed)	104	°C	ASTM D648, ISO 75-2/B
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NOTE

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| 1. | 50 mm/min |
| 2. | 50 mm/min |
| 3. | 1.3 mm/min |

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