

ORIENTENE MD 12

Polypropylene Homopolymer
Oriental Petrochemical Company

Message:

ORIENTENE MD 12 is a Polypropylene Homopolymer (PP Homopolymer) material. It is available in Africa & Middle East for injection molding.
Important attributes of ORIENTENE MD 12 are:
Good Processability
Food Contact Acceptable
Typical applications include:
Food Contact Applications
Adhesives/Tapes

General Information			
Features	Food Contact Acceptable		
	Good Moldability		
	Good Processability		
	Good Processing Stability		
	Good Stretchability		
Uses	Tape		
Agency Ratings	EU 2002/72/EC		
	FDA 21 CFR 177.1520(c) 1.1		
Processing Method	Injection Molding		
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)	12	g/10 min	ASTM D1238, ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield ¹	33.0	MPa	ASTM D638
Yield	33.0	MPa	ISO 527-2/50
Tensile Elongation			
Yield ²	8.0	%	ASTM D638
Yield	8.0	%	ISO 527-2/50
Flexural Modulus - 1% Secant ³	1350	MPa	ASTM D790A, ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	32	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
NOTE			
1.	50 mm/min		

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

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