

Latene® 11 MDT05-01

Polypropylene Homopolymer

LATI S.p.A.

Message:

Polypropylene homopolymer (PPh) based compound

Magnetic detectable filler.

General Information			
Filler / Reinforcement	Filler		
Features	Homopolymer		
Physical	Nominal Value	Unit	Test Method
Density	1.13	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	1.6 to 1.8	%	
Flow : 2.00 mm	1.6 to 1.8	%	
Water Absorption (23°C, 24 hr)	0.050	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	1900	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/5
Yield, 23°C	25.0	MPa	
Break, 23°C	15.0	MPa	
Tensile Strain			ISO 527-2/5
Yield, 23°C	5.0	%	
Break, 23°C	9.0	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.5	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	20	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	90.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	55.0	°C	ISO 75-2/A
Continuous Use Temperature ²	100	°C	
Vicat Softening Temperature	95.0	°C	ISO 306/B50
CLTE - Flow (30 to 100°C)	8.0E-5	cm/cm/°C	ISO 11359-2
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 90.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	180 to 220	°C	
Mold Temperature	30.0 to 50.0	°C	
Injection Rate	Moderate		

NOTE

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| 1. | 60 MPa |
| 2. | 20,000 hr |

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