Latilub 45/7-20T

High Density Polyethylene

LATI S.p.A.

Message:

Self-lubricating product based on High density polyethylene (HD-PE).
PTFE.

General Information			
Additive	PTFE Lubricant		
Features	Self Lubricating		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.06	g/cm³	ISO 1183
Molding Shrinkage [1]			ISO 294-4
Across Flow : 2.00 mm	1.1 to 1.5	%	
Flow : 2.00 mm	1.1 to 1.5	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus (23°C)	1400	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	20.0	MPa	ISO 527-2/5
Tensile Strain			ISO 527-2/5
Yield, 23°C	10	%	
Break, 23°C	20	%	
Coefficient of Friction			ASTM D3702
vs. Itself - Dynamic	0.12		
vs. Itself - Static	0.17		
Wear Factor	6.00E-10	(m³/h)/(N·m·h)	ASTM D3702
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	20	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179/1eU
Notched Izod Impact (23°C, 3.20 mm)	45	J/m	ASTM D256A
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, Unannealed	75.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	45.0	°C	ISO 75-2/A
Vicat Softening Temperature	70.0	°C	ISO 306/B50
Injection	**Nominal Value**	**Unit**	
Drying Temperature	80.0 to 90.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	180 to 230	°C	
Mold Temperature	20.0 to 40.0	°C	
Injection Rate	Moderate		

NOTE	
1.	at 60 Mpa of cavity pressure

Recommended distributors for this material

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