

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/cm ³	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	(m ³ /h)/(N·m·h)	ASTM D3702
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	20	kJ/m ²	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	Test Method
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

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

