

Latan 23UV

Acetal (POM) Copolymer

LATI S.p.A.

Message:

Compound based on Polyoximethylene (POM).
UV stabilised.
Low viscosity. Very good tribological properties.

General Information			
Additive	UV Stabilizer		
Features	Good UV Resistance		
	Low Viscosity		
Physical	Nominal Value	Unit	Test Method
Density	1.42	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	2.0 to 2.3	%	
Flow : 2.00 mm	2.0 to 2.3	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-2/1
23°C	2700	MPa	
60°C	1600	MPa	
90°C	1100	MPa	
Tensile Stress			ISO 527-2/5
Yield, 23°C	60.0	MPa	
Yield, 60°C	45.0	MPa	
Yield, 90°C	30.0	MPa	
Break, 23°C	50.0	MPa	
Tensile Strain			ISO 527-2/5
Yield, 23°C	10	%	
Break, 23°C	40	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.0	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)	60	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	115	°C	ISO 75-2/B
1.8 MPa, Unannealed	70.0	°C	ISO 75-2/A
Continuous Use Temperature ²	75.0	°C	
Vicat Softening Temperature	135	°C	ISO 306/B50

CLTE - Flow (30 to 100°C)	7.5E-5	cm/cm/°C	ASTM D696
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 90.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	175 to 200	°C	
Mold Temperature	70.0 to 90.0	°C	
Injection Rate	Moderate		
NOTE			
1.	at 60 Mpa of cavity pressure		
2.	20,000 hr		

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