

SAXAMID™ 226U

Polyamide 66

SAX Polymers

Message:

SAXAMID 226U is a general purpose polyamide 6.6 injection-molding-grade. Benefits are short cycle times and good release properties. Additionally this grade is UV-stabilized which is preferred used for outdoor-applications.

General Information			
Additive	UV Stabilizer		
Features	Fast Molding Cycle		
	General Purpose		
	Good Mold Release		
	Good UV Resistance		
Uses	Outdoor Applications		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.13	g/cm ³	ISO 1183
Viscosity Number (H2SO4 (Sulphuric Acid))	150	cm ³ /g	ISO 307
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3000	MPa	ISO 527-2/1
Tensile Stress (Break)	85.0	MPa	ISO 527-2/50
Tensile Strain (Break)	7.0	%	ISO 527-2/50
Flexural Modulus ¹	2700	MPa	ISO 178
Flexural Stress ²	110	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	4.0	kJ/m ²	
23°C	5.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	No Break		
23°C	No Break		
Notched Izod Impact Strength			ISO 180/1A
-30°C	4.0	kJ/m ²	
23°C	6.0	kJ/m ²	
Unnotched Izod Impact Strength			ISO 180/1U
-30°C	No Break		
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ³ (1.8 MPa, Unannealed, 60.0 mm Span)	75.0	°C	ISO 75-2/A

Vicat Softening Temperature	245	°C	ISO 306/B120
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	2.0 to 6.0	hr	
Suggested Max Moisture	0.20	%	
Processing (Melt) Temp	280 to 300	°C	
Mold Temperature	60.0 to 80.0	°C	
NOTE			
1.	2.0 mm/min		
2.	2.0 mm/min		
3.	80*10*4mm		

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