

SAXAMID™ 226F5RY01

Polyamide 66

SAX Polymers

Message:

SAXAMID 226F5RY01 is a polyamide 6.6 injection-molding-grade reinforced with 25 % glass fibres. This grade is equipped with a halogeneous-free flame retardant and UL listed.

General Information			
UL YellowCard	E343729-101004506	E343729-101270496	
Filler / Reinforcement	Glass Fiber,25% Filler by Weight		
Additive	Flame Retardant		
Features	Flame Retardant		
	Halogen Free		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.34	g/cm³	ISO 1183
Viscosity Number (H2SO4 (Sulphuric Acid))	150	cm³/g	ISO 307
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	9600	MPa	ISO 527-2/1
Tensile Stress	125	MPa	ISO 527-2/5
Tensile Strain (Break)	2.3	%	ISO 527-2/5
Flexural Modulus ¹	7600	MPa	ISO 178
Flexural Stress ²	200	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	7.0	kJ/m²	
23°C	8.0	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	48	kJ/m²	
23°C	56	kJ/m²	
Notched Izod Impact Strength			ISO 180/1A
-30°C	8.0	kJ/m²	
23°C	9.0	kJ/m²	
Unnotched Izod Impact Strength			ISO 180/1U
-30°C	47	kJ/m²	
23°C	48	kJ/m²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ³ (1.8 MPa, Unannealed, 60.0 mm Span)	242	°C	ISO 75-2/A

Vicat Softening Temperature	248	°C	ISO 306/B120
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (CTI)	PLC 0		UL 746
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.750 mm	V-0		
3.00 mm	V-0		
Glow Wire Flammability Index			IEC 60695-2-12
0.750 mm	960	°C	
3.00 mm	960	°C	
Glow Wire Ignition Temperature			IEC 60695-2-13
0.750 mm	725	°C	
3.00 mm	750	°C	
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 295	°C	
Mold Temperature	70.0 to 90.0	°C	
NOTE			
1.	2.0 mm/min		
2.	2.0 mm/min		
3.	80*10*4mm		

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