

SAXAMID™ 236Q33

Polyamide 66

SAX Polymers

Message:

SAXAMID 236Q33 is a impact-modified polyamide 6.6 injection-molding-grade with very good flow properties and outstanding toughness. Even at low temperatures this grade offers super-tough properties.

General Information			
Additive	Impact Modifier		
Features	Good Flow		
	Impact Modified		
	Low Temperature Toughness		
	Ultra High Toughness		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.10	g/cm ³	ISO 1183
Viscosity Number (H2SO4 (Sulphuric Acid))	150	cm ³ /g	ISO 307
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1500	MPa	ISO 527-2/1
Tensile Stress (Break)	40.0	MPa	ISO 527-2/50
Tensile Strain (Break)	10	%	ISO 527-2/50
Flexural Modulus ¹	1600	MPa	ISO 178
Flexural Stress ²	64.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-40°C	21	kJ/m ²	
23°C, Hinged Break	90	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-40°C	No Break		
23°C	No Break		
Notched Izod Impact Strength			ISO 180/1A
-40°C	23	kJ/m ²	
23°C, Hinge Break	90	kJ/m ²	
Unnotched Izod Impact Strength			ISO 180/1U
-40°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)	65.0	°C	ISO 75-2/A

Vicat Softening Temperature	180	°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	270 to 300	°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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