

SAXAMID™ 136Q32

Polyamide 6

SAX Polymers

Message:

SAXAMID 136Q32 is a high impact-modified polyamide 6 injection-molding-grade.

General Information			
Additive	Impact Modifier		
Features	High Impact Resistance		
	Impact Modified		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.09	g/cm ³	ISO 1183
Viscosity Number (H2SO4 (Sulphuric Acid))	150	cm ³ /g	ISO 307
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2000	MPa	ISO 527-2/1
Tensile Stress (Break)	56.0	MPa	ISO 527-2/50
Tensile Strain (Break)	10	%	ISO 527-2/50
Flexural Modulus ¹	1800	MPa	ISO 178
Flexural Stress ²	72.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	21	kJ/m ²	
23°C	55	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	21	kJ/m ²	
23°C	52	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)	54.0	°C	ISO 75-2/A
Vicat Softening Temperature	175	°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	250 to 270	°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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