

SAXALEN™ PPH319FX21

Polypropylene Homopolymer

SAX Polymers

Message:

SAXALEN PPH319FX21 is an unfilled Polypropylene - Homopolymer intended for injection moulding. The product has flame retardant properties and suitable to produce thin-walled parts.

General Information			
Features	Flame Retardant		
	Homopolymer		
Uses	Thin-walled Parts		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.910	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	28.0	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2100	MPa	ISO 527-2/1
Tensile Stress (Break)	36.0	MPa	ISO 527-2/50
Tensile Strain (Break)	6.0	%	ISO 527-2/50
Flexural Modulus ¹	1200	MPa	ISO 178
Flexural Stress ²	35.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	2.0	kJ/m ²	
23°C	4.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	15	kJ/m ²	
23°C	85	kJ/m ²	
Notched Izod Impact Strength			ISO 180/1A
-30°C	2.0	kJ/m ²	
23°C	4.0	kJ/m ²	
Unnotched Izod Impact Strength			ISO 180/1U
-30°C	13	kJ/m ²	
23°C	55	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ³ (1.8 MPa, Unannealed, 60.0 mm Span)	120	°C	ISO 75-2/A
Flammability	Nominal Value		Test Method

Flame Rating (1.60 mm)	V-2	UL 94
Injection	Nominal Value	Unit
Processing (Melt) Temp	210 to 240	°C
Mold Temperature	40.0 to 70.0	°C
NOTE		
1.	2.0 mm/min	
2.	2.0 mm/min	
3.	80*10*4mm	

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