

Sindustris POM HI526L

Acetal (POM) Homopolymer

Sincerity Australia Pty Ltd.

Message:

Sindustris POM HI526L is an Acetal (POM) Homopolymer material. It is available in Asia Pacific for injection molding.

Important attributes of Sindustris POM HI526L are:

Impact Modified

Impact Resistant

Typical application of Sindustris POM HI526L: Engineering/Industrial Parts

General Information			
Additive	Rubber		
Features	High Impact Resistance		
Uses	Gears		
UL File Number	E306922		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.31	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	9.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	1.7 to 2.0	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	64		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm)	36.2	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	85	%	ASTM D638
Flexural Modulus ³ (3.20 mm)	1190	MPa	ASTM D790
Flexural Strength ⁴ (3.20 mm)	40.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 6.40 mm)	79	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, 6.40 mm)	74.0	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 110	°C	
Drying Time	2.0 to 3.0	hr	
Suggested Max Moisture	0.10	%	
Rear Temperature	160 to 180	°C	
Middle Temperature	170 to 190	°C	
Front Temperature	180 to 200	°C	
Nozzle Temperature	180 to 200	°C	
Processing (Melt) Temp	200 to 220	°C	

Mold Temperature	80.0 to 110	°C
Back Pressure	0.490 to 3.04	MPa
Screw Speed	80 to 110	rpm

NOTE		
1.	50 mm/min	
2.	50 mm/min	
3.	1.3 mm/min	
4.	1.3 mm/min	

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Recommended distributors for this material

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