

# Sindustris PP HI4353L

Polypropylene

Sincerity Australia Pty Ltd.

## Message:

Sindustris PP HI4353L is a Polypropylene material filled with mineral. It is available in Asia Pacific for injection molding.

Important attributes of Sindustris PP HI4353L are:

Good Dimensional Stability

Impact Modified

Impact Resistant

Typical applications include:

Automotive

Electrical/Electronic Applications

General Information			
Filler / Reinforcement	Mineral		
Additive	Rubber		
Features	Good Dimensional Stability		
	High Impact Resistance		
Uses	Automotive Applications		
	Electrical/Electronic Applications		
UL File Number	E306922		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.09	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield, 3.20 mm)	16.7	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break, 3.20 mm)	150	%	ASTM D638
Flexural Modulus <sup>3</sup> (6.40 mm)	1650	MPa	ASTM D790
Flexural Strength <sup>4</sup> (6.40 mm)	25.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-10°C, 6.40 mm	49	J/m	
23°C, 6.40 mm	390	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	120	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	70.0 to 80.0	°C	
Drying Time	3.0 to 4.0	hr	

Suggested Max Moisture	0.010	%
Rear Temperature	190 to 210	°C
Middle Temperature	200 to 230	°C
Front Temperature	200 to 230	°C
Nozzle Temperature	210 to 230	°C
Processing (Melt) Temp	200 to 230	°C
Mold Temperature	40.0 to 60.0	°C
Back Pressure	29.4 to 58.8	MPa
Screw Speed	30 to 60	rpm

#### NOTE

- |    |           |
|----|-----------|
| 1. | 50 mm/min |
| 2. | 50 mm/min |
| 3. | 10 mm/min |
| 4. | 10 mm/min |

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#### Recommended distributors for this material

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