

# Sindustris PP ED1046D

Thermoplastic Polyolefin Elastomer

Sincerity Australia Pty Ltd.

Message:

Sindustris PP ED1046D is a Thermoplastic Polyolefin Elastomer (TPO (POE)) material. It is available in Asia Pacific for injection molding.

Typical applications include:

Automotive

Electrical/Electronic Applications

General Information			
Features	Soft		
Uses	Automotive Applications		
	Electrical/Electronic Applications		
UL File Number	E306922		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.998	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	6.0 to 9.0	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield, 3.20 mm)	12.7	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break, 3.20 mm)	> 200	%	ASTM D638
Flexural Modulus <sup>3</sup> (6.40 mm)	2450	MPa	ASTM D790
Flexural Strength <sup>4</sup> (6.40 mm)	5.88	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 6.40 mm)	No Break		ASTM D256
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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