

# Sindustris PP R1611

Polypropylene  
Sincerity Australia Pty Ltd.

Message:

Sindustris PP R1611 is a Polypropylene material. It is available in Asia Pacific.  
Typical applications include:  
Containers  
Household Applications  
Medical/Healthcare

General Information			
Uses	Food Containers		
	Household Goods		
	Hypodermic Syringe Parts		
UL File Number	E306922		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	90		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield)	28.4	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	> 500	%	ASTM D638
Flexural Modulus	1180	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	54	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	88.0	°C	ASTM D648
Vicat Softening Temperature	135	°C	ASTM D1525 <sup>3</sup>
Optical	Nominal Value	Unit	Test Method
Haze (2000 µm)	16	%	ASTM D1003
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	Loading 1 (10 N)		

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