

# YUNGSOX® PP 1450D

Polypropylene Homopolymer

Formosa Polypropylene

Message:

YUNGSOX® PP 1450D is a Polypropylene Homopolymer (PP Homopolymer) material. It is available in Asia Pacific.

Important attributes of YUNGSOX® PP 1450D are:

Good Aesthetics

High Flow

Homopolymer

Warp Resistant

Typical applications include:

Containers

Engineering/Industrial Parts

Food Contact Applications

General Information			
Features	Good Surface Finish		
	High Flow		
	Homopolymer		
	Low Warpage		
Uses	Containers		
	Thin-walled Parts		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	45	g/10 min	ISO 1133
Molding Shrinkage	1.3 to 1.7	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	111		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	39.2	MPa	ISO 527-2
Tensile Strain (Break)	50	%	ISO 527-2
Flexural Modulus	1570	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	29	J/m	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	120	°C	ISO 75-2/A
Vicat Softening Temperature	155	°C	ISO 306

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