

YUNGSOX® PP 5050M

Polypropylene Random Copolymer

Formosa Polypropylene

Message:

YUNGSOX® PP 5050M is a Polypropylene Random Copolymer (PP Random Copolymer) material. It is available in Asia Pacific.

Important attributes of YUNGSOX® PP 5050M are:

Copolymer

Food Contact Acceptable

Good Sealability

Typical applications include:

Coating Applications

Film

Food Contact Applications

Sealing Applications

General Information			
Features	Food Contact Acceptable		
	Low Temperature Heat Sealability		
	Metallizable		
	Random Copolymer		
	Soft		
Uses	Cast Film		
	Laminates		
	Sealants		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.5	g/10 min	ISO 1133
Molding Shrinkage	1.3 to 1.7	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	85		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	19.6	MPa	ISO 527-2
Tensile Strain (Break)	500	%	ISO 527-2
Flexural Modulus	588	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	150	J/m	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	80.0	°C	ISO 75-2/A

Vicat Softening Temperature	110	°C	ISO 306
Melting Temperature	133	°C	DSC
Optical	Nominal Value	Unit	Test Method
Haze (30.0 μm)	< 0.50	%	Internal Method

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