

YUNGSOX® PP 5090T

Polypropylene Random Copolymer

Formosa Polypropylene

Message:

YUNGSOX® PP 5090T is a Polypropylene Random Copolymer (PP Random Copolymer) material. It is available in Asia Pacific.

Important attributes of YUNGSOX® PP 5090T are:

Flame Rated

Chemical Resistant

Clarity

Copolymer

Typical applications include:

Medical/Healthcare

Containers

Food Contact Applications

Household Applications

General Information			
UL YellowCard	E216959-100060469		
Features	Good Chemical Resistance		
	High Clarity		
	Random Copolymer		
Uses	Containers		
	Household Goods		
	Hypodermic Syringe Parts		
Agency Ratings	FDA 21 CFR 177.1520		
	USP Class VI		
UL File Number	E216959		
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)	15	g/10 min	ISO 1133
Molding Shrinkage	1.3 to 1.7	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	98		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	27.5	MPa	ISO 527-2
Tensile Strain (Break)	300	%	ISO 527-2
Flexural Modulus	932	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	88	J/m	ISO 180

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	95.0	°C	ISO 75-2/A
Vicat Softening Temperature	125	°C	ISO 306
Melting Temperature	146	°C	DSC
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94

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