

YUNGSOX® PP 5090T

Polypropylene Random Copolymer

Formosa Polypropylene

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Technical Data

Product Description

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

Material Status	• Commercial: Active
Literature ¹	• Technical Datasheet (English)
UL Yellow Card ²	• E216959-100060469
Search for UL Yellow Card	• Formosa Polypropylene
Availability	• Asia Pacific
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 (English)	Nominal Value (SI)	Test Method
Density	0.900 g/cm ³	0.900 g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	15 g/10 min	15 g/10 min	ISO 1133
Molding Shrinkage	1.3 to 1.7 %	1.3 to 1.7 %	Internal Method
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress (Yield)	3980 psi	27.5 MPa	ISO 527-2
Tensile Strain (Break)	300 %	300 %	ISO 527-2
Flexural Modulus	135000 psi	932 MPa	ISO 178
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	1.7 ft·lb/in	88 J/m	ISO 180
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Rockwell Hardness (R-Scale)	98	98	ISO 2039-2
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Heat Deflection Temperature			ISO 75-2/A
264 psi (1.8 MPa), Unannealed	203 °F	95.0 °C	
Vicat Softening Temperature	257 °F	125 °C	ISO 306
Melting Temperature	295 °F	146 °C	DSC
Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating	HB	HB	UL 94



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Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² A UL Yellow Card contains UL-verified flammability and electrical characteristics. UL Prospector continually works to link Yellow Cards to individual plastic materials in Prospector, however this list may not include all of the appropriate links. It is important that you verify the association between these Yellow Cards and the plastic material found in Prospector. For a complete listing of Yellow Cards, visit the UL Yellow Card Search.

³ Typical properties: these are not to be construed as specifications.



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Where to Buy

Supplier

Formosa Polypropylene

Taipei, Taiwan

Telephone: +886-2-27122211

Web: <http://www2.fpc.com.tw/PP/indexE.htm>

Distributor

Please contact the supplier to find a distributor for YUNGSOX® PP 5090T

