

YUNGSOX® PP 5090T

Random Copolymer of Polypropylene

Formosa Polypropylene

Product Description

YUNGSOX® PP 5090T is a polypropylene random copolymer (PP random copolymer) material, and this product is supplied in the Asia-Pacific region.

The key characteristics of YUNGSOX® PP 5090T are as follows:

Flame retardant / Rated flame
copolymer

Chemically resistant
pellucidity

Typical application areas include:

Medical/Healthcare

household application

container

Food contact applications

Essential information

UL Yellow Card		E216959-100060469	
Characteristic	Excellent chemical resistance	Clarity: High	Random copolymer
Use	Household goods	Subcutaneous syringe components	Container
Institutional Rating	FDA 21 CFR 177.1520	USP Class VI	
ULfile number	E216959		
Form	Grain		
Physical property		Rated value	System of units
Density		0.900	g/cm³
Melt flow rate (230°C/2.16 kg)		15	g/10 min
Contraction percentage		1.3–1.7	%
			internalist methodology
Hardness		Rated value	System of units
Rockwell hardness (R scale)		98	ISO 2039-2
Mechanical behavior		Rated value	System of units
Tensile stress (yield stress)		27.5	MPa
Tensile strain (at fracture)		300	%
Flexural modulus		932	MPa
			ISO 178
Impact properties		Rated value	System of units
Impact strength of notched cantilever beam (23°C)		88	J/m
			ISO 180
Thermal properties		Rated value	System of units
Hot deformation temperature (1.8 MPa, unannealed)		95.0	°C
Vika softening temperature		125	°C
Fusion temperature		146	°C
			DSC
Flammability		Rated value	Test method
UL flame retardancy rating		HB	UL 94