

YUNGSOX® PP 1040U

Polypropylene Homopolymer

Formosa Polypropylene

Message:

YUNGSOX® PP 1040U is a Polypropylene Homopolymer (PP Homopolymer) material. It is available in Asia Pacific.

Important attributes of YUNGSOX® PP 1040U are:

- Good Weather Resistance
- High Strength
- Homopolymer
- Typical applications include:
 - Bags/Liners
 - Fabrics/Fibers
 - Food Contact Applications
 - Nonwovens
 - Straps/Ropes

General Information			
Features	Good Weather Resistance		
	High Tensile Strength		
	Homopolymer		
	Tack Free		
Uses	Bags		
	Carpet Backing		
	Monofilaments		
	Rope		
	Yarn		
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)	3.0	g/10 min	ISO 1133
Molding Shrinkage	1.3 to 1.7	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	105		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	34.3	MPa	ISO 527-2
Tensile Strain (Break)	600	%	ISO 527-2
Flexural Modulus	1230	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	49	J/m	ISO 180
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature (1.8 MPa, Unannealed)	113	°C	ISO 75-2/A
Vicat Softening Temperature	150	°C	ISO 306

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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