



General Homo PP Injection Grade
YUHWA POLYPRO 4018C

Description

- Application : Injection
- Features : Good Transparency, High Stiffness
- Uses : Medical Uses, Transparent Containers(food, households), Disposable Syringe

Properties

Item	Value	Unit	Test Method
Melt Index	19	g/10min.	ASTM D1238
Density	0.9	g/cm ³	ASTM D1505
Mold Shrinkage	1.0~2.0	%	KPIC Method
Water Absorption	<0.01	%	ASTM D570
Tensile Strength at Yield	400	kgf/cm ²	ASTM D638
Elongation at Break	>500	%	ASTM D638
Flexural Modulus	20,000	kgf/cm ²	ASTM D790
Hardness (Rockwell)	105	R Scale	ASTM D785
Impact Strength (Izod with Notch)	4	kgf cm/cm	ASTM D256
Melting Point	165	°C	ASTM D3418
Softening Point (Vicat)	155	°C	ASTM D1525
Heat Deflection Temperature	110	°C	ASTM D648
Thermal Expansion (Linear)	11	10 ⁻⁴ cm/cm °C	ASTM D696
Specific Heat	0.46	cal/g°C	KPIC Method
Heat Conductivity	3	10 ⁻⁴ cal cm/cm sec °C	KPIC Method
Volume Resistivity	1	10 ¹⁷ ohm.cm	ASTM D257
Dielectric Constant (1KHz)	2.3		ASTM D150
Dissipation Factor (1KHz)	2	10 ⁻⁴	ASTM D150
Dielectric Strength (Short Time)	40	KV/mm	ASTM D149
Arc Resistance	130	sec.	ASTM D495

• Above data are intended to serve as guides only, and are not sales specification limits.

Contact Info

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International Trade

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