

## HOPELEN Y-120A

## PP HOMO POLYMER

### General Information

#### Description

Y-120A is a propylene homopolymer designed for stretched products such as flat yarn. It is a low flow rate resin with a broad molecular weight distribution. It complies with FDA regulation. This is added the UV Stabilizer to use in the outdoor products.

#### Applications

- ◆ Flat yarns for woven bags, tape and rope
- ◆ Vacuum forming use(food packaging/industrial tray)

### Physical Properties<sup>1</sup>

Physical	Test Method	Nominal Values		
Melt Flow Index	ASTM D1238	1.0	g/10min	
Density	ASTM D792	0.90	g/cm <sup>3</sup>	
<b>Mechanical</b>				
Tensile Stress (Yield)	ASTM D638	370	kgf/cm <sup>2</sup>	36 MPa
Tensile Strain (Break)	ASTM D638	>500	%	
Flexural Modulus	ASTM D790	16,500	kgf/cm <sup>2</sup>	1,610 MPa
Rockwell Hardness	ASTM D785	103	R	
<b>Impact</b>				
Notched Izod Impact Strength (23 °C)	ASTM D256	4.7	kgf-cm/cm	46 J/m
<b>Thermal</b>				
Heat Deflection Temperature (4.6kgf/cm <sup>2</sup> )	ASTM D648	117	°C	
VICAT Softening Point	ASTM D1525	153	°C	

### NOTE

ISO 9001, 14001, ITS 16949

<sup>1</sup> Physical Properties : these are not to be construed as specifications

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