

HOPELEN Y-120

PP HOMO POLYMER

General Information

Description

Y-120 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.

Applications

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

Physical Properties¹

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

NOTE

ISO 9001, 14001, ITS 16949

¹ Physical Properties : these are not to be construed as specifications

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