

HOPELEN Y-125

PP HOMO POLYMER

General Information

Description

Y-125 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 Properties ¹				
Physical	Test Method	Nominal Values		
Melt Flow Index	ASTM D1238	2.0	g/10min	
Density	ASTM D792	0.90	g/cm ³	
Mechanical				
Tensile Stress (Yield)	ASTM D638	340	kgf/cm ²	34 MPa
Tensile Strain (Break)	ASTM D638	>500	%	
Flexural Modulus	ASTM D790	15,400	kgf/cm ²	1,490 MPa
Rockwell Hardness	ASTM D785	100	R	
Impact				
Notched Izod Impact Strength (23 °C)	ASTM D256	5.3	kgf-cm/cm	51 J/m
Thermal				
Heat Deflection Temperature (4.6kgf/cm ²)	ASTM D648	110	°C	
VICAT Softening Point	ASTM D1525	154	°C	

NOTE

ISO 9001, 14001, /TS 16949

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