

Y-120 UGCC Homo Polypropylene (Yarn grade)

Description

Y-120 is a propylene homo polymer 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.

Application

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

Physical Properties*			
Physical	Testing methods	Nominal values	
Density (by Gradient technique)	ASTM D 1505	gr/cm ³	0.85-0.95
Melt Flow Rate	ASTM D 1238	g/10min	0.8-1.2
Mechanical			
Tensile Strength at Yield, min.	ASTM D 638	kg f/cm ²	300
Elongation at Break, min.	ASTM D 638	%	100
Flexural Modulus, min.	ASTM D 790	kg f/cm ²	13500
Impact			
Notched Izod Impact Strength (23 °C), min.	ASTM D 256	kg f cm/cm	3.0
Notched Izod Impact Strength (-10 °C), min.	ASTM D 256	kg f cm/cm	-
Thermal			
Heat Distortion Temperature (4.6 kgf/cm ²), min.	ASTM D 648	°C	100
Vicat Softening Point	ASTM D 1525	°C	150

