

Y-120

Polypropylene (Homopolymer)



Product Description

Y-120 is a polypropylene homopolymer designed for stretched products such as flat yarn. It is a low flow rate resin with a middle molecular weight distribution.

Key Features

- Excellent stretchability
- Excellent machinability

Applications

- Flat yarns(T-die type)for woven bags, tape and rope

Typical Properties

	Item	Measuring Method		Value	Unit
Physical	Melt Flow Index (230°C, 2.16kg)	ASTM	D1238	1.0	g/10min
	Density	ASTM	D1505	0.9	g/cm ³
Mechanical	Tensile Stress (Yield)	ASTM	D638	370	kgf/cm ²
	Tensile Strain (Break)	ASTM	D638	> 500	%
	Flexural Modulus	ASTM	D790	16,500	kgf/cm ²
	Notched Izod Impact Strength (23°C)	ASTM	D256	5	kgf·cm/cm
Thermal	Heat Deflection Temp. (4.6kgf/cm ²)	ASTM	D648	117	°C

• NOTE : These are not to be construed as specifications



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