

<b>Grade</b>	Y-120
<b>Product</b>	Polypropylene, Homopolymer

### General Information

#### Key Features

- Stretched products & Flat yarn application
- Formability, Stiffness, Extensibility

#### Applications

- Woven bag, Container bag

Item	Measuring Method	Unit	Value
<b>Physical Properties</b>			
Melt Flow Index (230°C, 2.16kg)	ASTM D1238	g/10min	1.0
Density	ASTM D792	g/cm <sup>3</sup>	0.9
<b>Mechanical Properties</b>			
Tensile Stress (Yield)	ASTM D638	kgf/cm <sup>2</sup>	370
Tensile Strain (Break)	ASTM D638	%	≥100
Flexural Modulus	ASTM D790	kgf/cm <sup>2</sup>	16,500
Rockwell Hardness	ASTM D785	R	103
<b>Impact Properties</b>			
Izod Impact Strength (notched, 23°C)	ASTM D256	kgf·cm/cm	4.7
<b>Thermal Properties</b>			
Heat Deflection Temperature (4.6kgf/cm <sup>2</sup> )	ASTM D648	°C	117
VICAT Softening Temperature	ASTM D1525	°C	153

1. Physical Properties : these are not to be construed as specifications
2. ISO 9001, 14001, /TS 16949

\* The last update date : 2022/11/18