

ASTM Property

Grade	Y-120H
Product	Polypropylene, Homopolymer

General Information

Key Features

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

Applications

- Woven bag, Container bag, Tape

Item	Measuring Method	Unit	Value
Physical			
Melt Flow Index	ASTM D1238	g/10min	2.0
Density	ASTM D1505	g/cm ³	0.9
Mechanical			
Tensile Stress (Yield)	ASTM D638	kgf/cm ²	350
Tensile Strain (Break)	ASTM D638	%	≥100
Flexural Modulus	ASTM D790	kgf/cm ²	16,000
Rockwell Hardness	ASTM D785	R	103
Impact			
Izod Impact Strength (23°C)	ASTM D256	kgf·cm/cm	3.5
Thermal			
Heat Deflection Temperature (4.6kgf/cm ²)	ASTM D648	°C	107
VICAT Softening Point	ASTM D1525	°C	152

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

* The last update date : 2026/06/01

