DATASHEET

ASTM Property

LOTTE CHEMICAL

Grade	Y-120A
Product	Polypropylene, Homopolymer

General Information

Key Features	- Stretched products & Flat yarn application - Formability, Stiffness, Extensibility - Weatherability (Including UV stabilizer agent)
Applications	- Woven bag, Container bag

Item	Measuring Method	Unit	Value
Physical Properties			
Melt Flow Index (230℃, 2.16kg)	ASTM D1238	g/10min	1.0
Density	ASTM D792	g/㎤	0.9
Mechanical Properties			
Tensile Stress (Yield)	ASTM D638	kgf/㎠	370
Tensile Strain (Break)	ASTM D638	%	≥100
Flexural Modulus	ASTM D790	kgf/㎠	16,500
Rockwell Hardness	ASTM D785	R	103
Impact Properties			
Izod Impact Strength (notched, 23℃)	ASTM D256	kgf·㎝/㎝	4.7
Thermal Properties			
Heat Deflection Temperature (4.6kgf/㎠)	ASTM D648	℃	117
VICAT Softening Temperature	ASTM D1525	℃	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