DATASHEET

ASTM Property

LOTTE CHEMICAL

Grade	Y-135
Product	Polypropylene, Homopolymer

General Information

Key Features	- Stretched products & Flat yarn application - Formability, Stiffness, Extensibility
Applications	- Woven bag, Tape, Rope, Fishing net

Item	Measuring Method	Unit	Value
Physical Properties			
Melt Flow Index (230℃, 2.16kg)	ASTM D1238	g/10min	3.5
Density	ASTM D792	g/㎤	0.9
Mechanical Properties			
Tensile Stress (Yield)	ASTM D638	kgf/㎠	350
Tensile Strain (Break)	ASTM D638	%	≥100
Flexural Modulus	ASTM D790	kgf/㎠	15,000
Rockwell Hardness	ASTM D785	R	98
Impact Properties			
Izod Impact Strength (notched, 23℃)	ASTM D256	kgf·㎝/㎝	4.5
Thermal Properties			
Heat Deflection Temperature (4.6kgf/㎠)	ASTM D648	℃	107
VICAT Softening Temperature	ASTM D1525	℃	151

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

* The last update date : 2022/11/18