

DATASHEET

ASTM Property



Grade	H4540
Product	Polypropylene, Homopolymer

General Information

Key Features	- High slipperiness product - Excellent processability and film opening property - Containing slip and anti-blocking agent
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Applications	Clothes packaging, food packaging
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Item	Measuring Method	Unit	Value
Physical Properties			
Melt Flow Index (230°C, 2.16kg)	ASTM D1238	g/10min	12.0
Density	ASTM D792	g/cm ³	0.9
Mechanical Properties			
Tensile Stress (Yield)	ASTM D638	kgf/cm ²	350
Tensile Strain (Break)	ASTM D638	%	>500
Flexural Modulus	ASTM D790	kgf/cm ²	16000
Rockwell Hardness	ASTM D785	R	100
Impact Properties			
Izod Impact Strength (notched, 23°C)	ASTM D256	kgf·cm/cm	2.5
Thermal Properties			
Melting Temperature	LC Method	°C	162
Heat Deflection Temperature (4.6kgf/cm ²)	ASTM D648	°C	104

1. Physical Properties : these are not to be construed as specifications
2. Measured on 30μm mono-layer CPP film made of LOTTE CHEMICAL's cast film grade
3. ISO 9001, 14001, /TS 16949

* The last update date : 2022/09/21