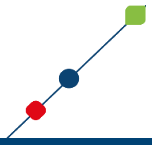
DATASHEET

ASTM Property



LOTTE CHEMICAL

Grade	TI-640
Product	Polypropylene, Random Copolymer

General Information	
Key Features	- High transparency and impact resitance - USP Class VI, FDA DMF
Applications	- Food packaging, Retort pouch, Decoration sheet, general CPP films and core or seal layer of I.V bag

Item	Measuring Method	Unit	Value
Physical Properties			
Melt Flow Index (230℃, 2.16kg)	ASTM D1238	g/10min	5.0
Density	ASTM D792	g/㎤	0.9
Mechanical Properties			
Tensile Stress (Yield)	ASTM D638	kgf/㎠	260
Tensile Strain (Break)	ASTM D638	%	≥500
Flexural Modulus	ASTM D790	kgf/㎠	8,500
Impact Properties			
Izod Impact Strength (notched, 23℃)	ASTM D256	kgf·㎝/㎝	15
Thermal Properties			
Melting Temperature	LC Method	℃	144
Heat Deflection Temperature (4.6kgf/㎠)	ASTM D648	℃	85
Film Properties			
Haze	ASTM D1003	%	≤1.0

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