



<b>Grade</b>	TI-640
<b>Product</b>	Polypropylene, Random Copolymer

#### General Information

**Key Features**

- High transparency and impact resistance
- 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
<b>Physical Properties</b>			
Melt Flow Index (230°C, 2.16kg)	ASTM D1238	g/10min	5.0
Density	ASTM D792	g/cm <sup>3</sup>	0.9
<b>Mechanical Properties</b>			
Tensile Stress (Yield)	ASTM D638	kgf/cm <sup>2</sup>	260
Tensile Strain (Break)	ASTM D638	%	≥500
Flexural Modulus	ASTM D790	kgf/cm <sup>2</sup>	8,500
<b>Impact Properties</b>			
Izod Impact Strength (notched, 23°C)	ASTM D256	kgf·cm/cm	15
<b>Thermal Properties</b>			
Melting Temperature	LC Method	°C	144
Heat Deflection Temperature (4.6kgf/cm <sup>2</sup> )	ASTM D648	°C	85
<b>Film Properties</b>			
Haze	ASTM D1003	%	≤1.0

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