

# TITANZEX® HI1600

High Density Polyethylene

Lotte Chemical Titan (M) Sdn. Bhd.

## Message:

TITANZEX® HI1600 is a High Density Polyethylene material. It is available in Asia Pacific for injection molding. Primary attribute of TITANZEX® HI1600: Good Processability.  
Typical applications include:  
Containers  
Household Applications

General Information			
Features	Good Moldability		
	Good Strength		
Uses	Food Containers		
	Household Goods		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.957	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	20	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (F50)	2.00	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	65		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	27.5	MPa	ASTM D638
Tensile Elongation (Break)	40	%	ASTM D638
Apparent Bending Modulus	981	MPa	ASTM D747
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	20	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	122	°C	ASTM D1525

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Recommended distributors for this material

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