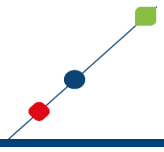
DATASHEET

ASTM Property



LOTTE CHEMICAL

Grade	5500B
Product	HDPE

General Information

Key Features	- For blow molding - High stiffness, Excellent impact resistance
Applications	medium containers, Industrial chemical containers

Item	Measuring Method	Unit	Value
	Physical		
Melt Flow Index	ASTM D1238	g/10min	0.2
Density	ASTM D1505	g/㎤	0.963
	Mechanical		
Tensile Stress (Yield)	ASTM D638	kgf/㎠	290
Tensile Strain (Break)	ASTM D638	%	≥500
Flexural Modulus	ASTM D790	kgf/㎠	14,000
	Impact		
Izod Impact Strength(notched) (23℃)	ASTM D256	kgf·㎝/㎝	55
	Thermal		
VICAT Softening Temperature	ASTM D1525	℃	125
	Additional Properties		
ESCR	ASTM D1693	F50hr	90

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

* The last update date : 2021/10/01