DATASHEET

ASTM Property

LOTTE CHEMICAL

Grade	8301B
Product	HDPE

General Information

Key Features - Low-temperature impact strength, Excellent ESCR

Applications Automotive fuel tank

Item	Measuring Method	Unit	Value
	Physical		
Melt Flow Index (190℃, 2.16kg/21.6kg)	ASTM D1238	g/10min	0.04 / 5
Density	ASTM D1505	g/㎤	0.95
	Mechanical		
Tensile Stress (Yield)	ASTM D638	kgf/㎠	230
Tensile Strain (Break)	ASTM D638	%	≥800
Flexural Modulus	ASTM D790	kgf/㎠	9,000
	Impact		
Izod Impact Strength(notched) (23℃)	ASTM D256	kgf·㎝/㎝	NB
	Thermal		
VICAT Softening Temperature	ASTM D1525	℃	122
	Additional Properties		
ESCR	ASTM D1693	F50hr	>1,000

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

* The last update date : 2021/10/01