

DATASHEET

ASTM Property



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°C, 2.16kg/21.6ka)	ASTM D1238	g/10min	0.04 / 5
Density	ASTM D1505	g/cm ³	0.95
Mechanical			
Tensile Stress (Yield)	ASTM D638	kgf/cm ²	230
Tensile Strain (Break)	ASTM D638	%	≥800
Flexural Modulus	ASTM D790	kgf/cm ²	9,000
Impact			
Izod Impact Strength(notched) (23°C)	ASTM D256	kgf·cm/cm	NB
Thermal			
VICAT Softening Temperature	ASTM D1525	°C	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