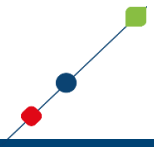
DATASHEET

ASTM Property



LOTTE CHEMICAL

Grade	4100M
Product	HDPE

General Information

Key Features	- For Steel Pipe Coating - Good Processability - Good ESCR
Applications	Steel Pipe Coating

Item	Measuring Method	Unit	Value
	Physical		
Melt Flow Index	ASTM D1238	g/10min	0.27
Density	ASTM D1505	g/㎤	0.945
	Mechanical		
Tensile Stress (Yield)	ASTM D638	kgf/㎠	190
Tensile Strain (Break)	ASTM D638	%	≥800
Flexural Modulus	ASTM D790	kgf/㎠	8,000
	Impact		
Izod Impact Strength(notched) (23℃)	ASTM D256	kgf·㎝/㎝	NB
	Thermal		
Melting Point	LC Method	℃	128
VICAT Softening Temperature	ASTM D1525	℃	124
Oxidative Induction Time (210℃)	ASTM D3895	min	>35
	Additional Properties		
ESCR	ASTM D1693	F50hr	>2,000

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

* The last update date : 2021/10/01