

DATASHEET

ASTM Property



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/cm ³	0.945
Mechanical			
Tensile Stress (Yield)	ASTM D638	kgf/cm ²	190
Tensile Strain (Break)	ASTM D638	%	≥800
Flexural Modulus	ASTM D790	kgf/cm ²	8,000
Impact			
Izod Impact Strength(notched) (23°C)	ASTM D256	kgf·cm/cm	NB
Thermal			
Melting Point	LC Method	°C	128
VICAT Softening Temperature	ASTM D1525	°C	124
Oxidative Induction Time (210°C)	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