



<b>Grade</b>	4100M
<b>Product</b>	HDPE

### General Information

Key Features	<ul style="list-style-type: none"> <li>- For Steel Pipe Coating</li> <li>- Good Processability</li> <li>- Good ESCR</li> </ul>
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Applications	Steel Pipe Coating
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Item	Measuring Method	Unit	Value
<b>Physical</b>			
Melt Flow Index	ASTM D1238	g/10min	0.27
Density	ASTM D1505	g/cm <sup>3</sup>	0.945
<b>Mechanical</b>			
Tensile Stress (Yield)	ASTM D638	kgf/cm <sup>2</sup>	190
Tensile Strain (Break)	ASTM D638	%	≥800
Flexural Modulus	ASTM D790	kgf/cm <sup>2</sup>	8,000
<b>Impact</b>			
Izod Impact Strength(notched) (23°C)	ASTM D256	kgf·cm/cm	NB
<b>Thermal</b>			
Melting Point	LC Method	°C	128
VICAT Softening Temperature	ASTM D1525	°C	124
Oxidative Induction Time (210°C)	ASTM D3895	min	>35
<b>Additional Properties</b>			
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