



**M8000**

**High Density Polyethylene**

**Description**

**ISO PE-100 Class, Good ESCR**

**Application**

**Water supply pipe and Gas pipe**

<b>Properties</b>			
<b>Physical</b>	<b>Testing methods</b>	<b>Nominal values</b>	
<b>Density</b>	ASTM D 1505	g/cm <sup>3</sup>	0,948-0,953
<b>Melt Flow Rate</b>	ASTM D 1238	g/10min	0,025-0,035
<b>Mechanical</b>			
<b>Tensile Strength at Yield (min.)</b>	ASTM D 638	kg/cm <sup>2</sup>	190
<b>Tensile Strength at Break (min.)</b>	ASTM D 638	kg/cm <sup>2</sup>	NB
<b>Elongation at Break (min.)</b>	ASTM D 638	%	500
<b>Flexural Modulus (min.)</b>	ASTM D 790	kg/cm <sup>2</sup>	8000
<b>Impact</b>			
<b>Izod Impact Strength (23<sup>0</sup>C) (min.)</b>	ASTM D 256	kg cm/cm	NB
<b>Thermal</b>			
<b>Vicat Softening Point (min.)</b>	ASTM D 1525	<sup>0</sup> C	122
<b>Additional properties</b>			
<b>Rockwell Hardness (min.)</b>	ASTM D785	R	43
<b>Environmental Stress Cracking Resistance (F50) (min.)</b>	ASTM D1693	hr	>1000

