

## M8000

## High Density Polyethylene

### Description

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

### Application

**Water supply pipe and Gas pipe**

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

**Note: Above data is based on information provided by Licensor and it is not to be construed as specification.**