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## 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>	0.948-0.951
Melt Flow Rate	ASTM D 1238	g/10min	4.5-6.0 (H.L.)
Mechanical			
Tensile Strength at Yield (min.)	ASTM D 638	kg/cm <sup>2</sup>	190
Elongation at Break (min.)	ASTM D 638	%	500
Flexural Modulus (min.)	ASTM D790	kg/cm <sup>2</sup>	8,000
Impact			
Izod Impact Strength (23 °C) (min.)	ASTM D256	kg cm/cm	NB
Thermal			
Vicat Softening Point (min.)	ASTM D1525	°C	120
Additional properties			
Rockwell Hardness (min.)	ASTM D785	R	43
Environmental Stress Cracking Resistance (F50) (min.)	ASTM D1693	hr	>1000

H.L. – MI value at high load (21.6 kg)

NB – Do not break

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