

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 ³	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 ²	190
Elongation at Break (min.)	ASTM D 638	%	500
Flexural Modulus (min.)	ASTM D790	kg/cm ²	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