

# EL-Lene™ H1000PWI

High Density Polyethylene

SCG Chemicals Co., Ltd.

## Message:

EL-Lene H1000PWI is a white HDPE compound made using bimodal technology with the base resin classified as MRS 10.0 material (PE100) providing superior mechanical properties and processability. In addition it has a UV and anti-oxidant package which combined with good dispersion of the white pigment results in excellent long term UV resistance and thermal stability.

General Information			
Features	Antioxidant Dispersible Good Processability Good Thermal Stability Good UV Resistance High Density		
Uses	Corrugated Pipe Piping		
Appearance	White		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density			ISO 1183
-- <sup>1</sup>	0.970	g/cm <sup>3</sup>	
-- <sup>2</sup>	0.950	g/cm <sup>3</sup>	
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/21.6 kg	14	g/10 min	
190°C/5.0 kg	0.30	g/10 min	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	62		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	> 22.6	MPa	ISO 527-2/100
Flexural Modulus	1000	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Oxidation Induction Time (210°C)	> 50	min	ISO 10837
Extrusion	Nominal Value	Unit	
Melt Temperature	200 to 220	°C	
NOTE			
1.	Compound		
2.	Base Resin		

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#### Recommended distributors for this material

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