

PRIMAENE WPP852

High Density (HMW) Polyethylene
Southern Polymer, Inc.

Message:

A high molecular weight high density polyethylene
Applications: - Culverts
Storm sewers
Land drainage
Features: - Good pipe stiffness
Good melt strength
Good ESCR

General Information			
Features	Good Melt Strength		
	Good Stiffness		
	High Density		
	High ESCR (Stress Crack Resist.)		
	High Molecular Weight		
Uses	Piping		
Physical	Nominal Value	Unit	Test Method
Density	0.953	g/cm ³	ASTM D1505
Environmental Stress-Cracking Resistance (100% Igepal, F50)	500	hr	ASTM D1693B
Notched Constant Ligament Stress (NCLS) ¹	> 24	hr	ASTM F2136
Melt Flow - High Load ²	21.00	g/10 min	ASTM D1238
Oxidation Induction Time (200°C)	0.25	min	ASTM D3895
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ³ (Yield)	28.3	MPa	ASTM D638
Tensile Elongation ⁴ (Break)	> 600	%	ASTM D638
Flexural Modulus - Tangent ⁵	1310	MPa	ASTM D790
NOTE			
1.	Avg. of Five		
2.	Condition: 190°C/21.6 kg		
3.	51 mm/min		
4.	51 mm/min		
5.	1.3 mm/min		

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