

VENELENÉ® 6100M

High Density Polyethylene
Poliolefinas Internacionales, C.A. (Polinter)

Message:

Features:
Good processability, rigidity, Impact resistance.
Good ESCR
Classification PE 80 according to norm ISO/TR 9080
Classification 345444A according to norm ASTM D3350
Applications:
Water transportation pipes (Main and service water distribution pipes, gas, drain and telecommunications)

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Good Impact Resistance		
	Good Processability		
	High Density		
	High ESCR (Stress Crack Resist.)		
Uses	Medium Rigidity		
	Piping		
	Telecommunications		
Forms	Pellets		
Processing Method	Extrusion		
	Pipe Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.953	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.12	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (10% Igepal, F50)	> 1000	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	300	MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	23.0	MPa	
Break	30.0	MPa	
Tensile Elongation (Break)	> 1500	%	ASTM D638
Flexural Modulus	950	MPa	ASTM D790
Flexural Strength (5.0% Strain)	13.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method

Gardner Impact	120	J/cm	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	128	°C	ASTM D1525
Extrusion	Nominal Value	Unit	
Melt Temperature	130 to 190	°C	

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Recommended distributors for this material

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