

# VENELENÉ® 7700M

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

Message:

Features:

Good processability, rigidity, Impact resistance.

Good ESCR

Classification PE 100 according to ISO 9080

Classification 345546A according to ASTM D3350

Applications:

Water transportation pipes (Main and service water distribution pipes, gas and drain).

General Information	
Additive	Antioxidant UV Stabilizer
Features	Antioxidant Good Impact Resistance Good Processability Good UV Resistance High Density High ESCR (Stress Crack Resist.) Medium Rigidity
Uses	Piping
Forms	Pellets
Processing Method	Extrusion Pipe Extrusion

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.950	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/2.16 kg	0.045	g/10 min	
190°C/21.6 kg	13	g/10 min	
Environmental Stress-Cracking Resistance (10% Igepal, F50)	> 1000	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	26.0	MPa	
Break	30.0	MPa	
Tensile Elongation (Break)	> 1500	%	ASTM D638
Flexural Modulus	950	MPa	ASTM D790

Flexural Strength (5.0% Strain)	15.0	MPa	ASTM D790
Toughness	300	MPa	ASTM D638
Gardner Impact	90.0	J/cm	ASTM D5420
Oxidation Induction Time	> 100	min	ASTM D3895
PENT	> 150	hr	ASTM F1473
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	128	°C	ASTM D1525
Extrusion	Nominal Value	Unit	
Melt Temperature	160 to 210	°C	

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#### Recommended distributors for this material

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