

VENELENÉ® 6200B

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

Message:

Features:
Good processability, rigidity, Impact resistance.
High ESCR.
Applications:
Blow molded containers for: personal care products (shampoo, cosmetics, chlorine solutions, house cleaning) and aggressive chemical (below 20 liters capacity).

General Information	
Additive	Antioxidant
Features	Antioxidant
	Good Impact Resistance
	Good Processability
	High Density
	High ESCR (Stress Crack Resist.)
	Medium Rigidity
Uses	Consumer Applications
	Containers
	Personal Care
Forms	Pellets
Processing Method	Blow Molding
	Extrusion
	Extrusion Blow Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.958	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.40	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (10% Igepal, F50)	> 400	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	270	MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	28.0	MPa	
Break	26.0	MPa	
Tensile Elongation (Break)	> 1200	%	ASTM D638
Flexural Modulus	1100	MPa	ASTM D790

Flexural Strength (5.0% Strain)	25.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Gardner Impact	150	J/cm	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	127	°C	ASTM D1525
Extrusion	Nominal Value	Unit	
Melt Temperature	160 to 200	°C	
Die Temperature	< 20.0	°C	

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