

# VENELENÉ® 2707AP

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

Message:

- Features:
- Good processability.
  - High flexibility.
  - High ESCR.
  - Good resistance to impact.
- Applications:
- Boxes, baskets, pails and industrial parts (high impact, pile up, and chemical resistance requirements).

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Good Chemical Resistance		
	Good Flexibility		
	Good Impact Resistance		
	Good Processability		
	High Density		
	High ESCR (Stress Crack Resist.)		
Uses	Industrial Applications		
	Pails		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.949	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	5.5	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (10% Igepal, F50)	4.50	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	22.0	MPa	
Break	30.0	MPa	
Tensile Elongation			ASTM D638
Yield	21	%	
Break	> 1200	%	
Flexural Modulus	670	MPa	ASTM D790
Flexural Strength (5.0% Strain)	19.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method

Gardner Impact	90.0	J/cm	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	125	°C	ASTM D1525
Injection	Nominal Value	Unit	
Processing (Melt) Temp	190 to 220	°C	
Mold Temperature	< 20.0	°C	

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#### Recommended distributors for this material

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