

VENELENÉ® 2811

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

Message:

- Features:
Good processability.
Good rigidity.
- Applications:
Thin wall containers, house ware products, and recreation articles (toys, sport protective equipment, etc.).

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Good Processability		
	High Density		
	Medium Rigidity		
Uses	Household Goods		
	Sporting Goods		
	Thin-walled Containers		
	Toys		
Forms	Pellets		
Processing Method	Injection Molding		
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)	30	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (10% Igepal, F50)	1.00	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	21.0	MPa	
Break	13.0	MPa	
Tensile Elongation			ASTM D638
Yield	19	%	
Break	> 500	%	
Flexural Modulus	675	MPa	ASTM D790
Flexural Strength (5.0% Strain)	19.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Gardner Impact	60.0	J/cm	ASTM D5420
Thermal	Nominal Value	Unit	Test Method

Vicat Softening Temperature	127	°C	ASTM D1525
Injection	Nominal Value	Unit	
Processing (Melt) Temp	130 to 170	°C	
Mold Temperature	< 20.0	°C	

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Recommended distributors for this material

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