

# NOVAPOL® HB-W555-EC

High Density Polyethylene

NOVA Chemicals

Message:

NOVAPOL® HB-W555-EC is a High Density Polyethylene material. It is available in North America for blow molding.

Important attributes of NOVAPOL® HB-W555-EC are:

- Food Contact Acceptable
- High ESCR (Stress Crack Resistant)
- High Purity
- Impact Resistant
- Rigid
- Typical applications include:
  - Packaging
  - Food Contact Applications

General Information			
Additive	Processing Stabilizer		
Features	Food Contact Acceptable		
	Good Impact Resistance		
	High Density		
	High ESCR (Stress Crack Resist.)		
	High Purity		
	High Rigidity		
Uses	Food Packaging		
	Packaging		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.2a		
Processing Method	Blow Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.955	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	5.0	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (100% Igepal, F50)	> 500	hr	ASTM D1693A
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	28.0	MPa	ASTM D638
Tensile Elongation (Break)	830	%	ASTM D638
Flexural Modulus	1400	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	720	J/m	ASTM D256
Tensile Impact Strength	420	kJ/m²	ASTM D1822
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -70.0	°C	ASTM D746

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