

NOVAPOL® HB-W555-A

High Density Polyethylene

NOVA Chemicals

Message:

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

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

- Food Contact Acceptable
- High ESCR (Stress Crack Resistant)
- High Molecular Weight
- Impact Resistant
- Rigid

Typical applications include:

- Containers
- Food Contact Applications
- Industrial Applications

General Information			
UL YellowCard	E146584-223444		
Additive	Processing Stabilizer		
Features	Food Contact Acceptable		
	Good Impact Resistance		
	High Density		
	High ESCR (Stress Crack Resist.)		
	High Molecular Weight		
	High Rigidity		
Uses	Drums		
	Industrial Applications		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.2a		
Forms	Pellets		
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/m ²	ASTM D1822
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -70.0	°C	ASTM D746

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Recommended distributors for this material

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