

NOVAPOL® HB-W646-U

High Density Polyethylene

NOVA Chemicals

Message:

NOVAPOL® HB-W646-U is a High Density Polyethylene material. It is available in North America for blow molding.

Important attributes of NOVAPOL® HB-W646-U are:

- Chemical Resistant
- Food Contact Acceptable
- Good Processability
- High ESCR (Stress Crack Resistant)
- High Molecular Weight
- Typical applications include:
 - Containers
 - Tanks
 - Food Contact Applications
 - Marine Applications

General Information			
Additive	Processing Stabilizer		
	UV Stabilizer		
Features	Food Contact Acceptable		
	Good Chemical Resistance		
	Good Colorability		
	Good Processability		
	High Density		
	High ESCR (Stress Crack Resist.)		
	High Impact Resistance		
	High Molecular Weight		
Uses	Agricultural Tanks		
	Containers		
	Drums		
	Fuel Tanks		
	Jerricans		
	Marine Applications		
	Shipping Containers		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Blow Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.946	g/cm ³	ASTM D792

Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	6.0	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance			
100% Igepal, F50	> 1000	hr	ASTM D1693A
100% Igepal, F50	> 1000	hr	ASTM D1693B
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	24.0	MPa	ASTM D638
Tensile Elongation (Break)	840	%	ASTM D638
Flexural Modulus	1100	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	400	J/m	ASTM D256
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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