NOVAPOL® HB-W646-UL

High Density Polyethylene

NOVA Chemicals

Message:

NOVAPOL® HB-W646-UL is a high density polyethylene material. This product is available in North America and is processed by blow molding. NOVAPOL® The main features of the HB-W646-UL are:

High resistance to environmental stress fracture (ESCR)

hexene comonomer

Good processability

Impact resistance

chemical resistance

Typical application areas include:

container

Jars

marine applications

General Information					
Additive	Processing stabilizer UV stabilizer				
Features	UV Stabilized				
	High ESCR (Stress Cracking Resistance)				
	hexene comonomer				
	Impact resistance, high				
	Workability, good				
	Good coloring				
	Good chemical resistance				
Uses	Ship application				
	Drum				
	Agricultural water tank				
	Container				
	Oil drum				
	Fuel Tank				
	Shipping container				
Forms	Particle	Particle			
Processing Method	Blow molding				
Physical	Nominal Value	Unit	Test Method		
Specific Gravity	0.946	g/cm³	ASTM D792		
Melt Mass-Flow Rate (MFR) (190°		40	ACTA / D1000		
kg)	5.7	g/10 min	ASTM D1238		
Environmental Stress-Cracking Re					
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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