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
Processing Method	Blow molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.946	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	5.7	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

Recommended distributors for this material

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