

NOVAPOL® HB-W747-A

High Density Polyethylene

NOVA Chemicals

Message:

NOVAPOL® HB-W747-A is a High Density Polyethylene material. It is available in North America for blow molding.

Important attributes of NOVAPOL® HB-W747-A are:

Food Contact Acceptable

Good Processability

High Molecular Weight

Impact Resistant

Stabilized

Typical applications include:

Automotive

Containers

Food Contact Applications

Marine Applications

Tanks

General Information			
Additive	Processing Stabilizer		
Features	Food Contact Acceptable		
	Good Impact Resistance		
	Good Processability		
	High Density		
	High Molecular Weight		
Uses	Automotive Applications		
	Drums		
	Fuel Tanks		
	Marine 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	0.946	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	8.5	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)	23.0	MPa	ASTM D638
Tensile Elongation (Break)	830	%	ASTM D638

Flexural Modulus	1200	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	400	J/m	ASTM D256
Tensile Impact Strength	480	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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