NOVAPOL® HB-W952-A

High Density Polyethylene

NOVA Chemicals

Message:

NOVAPOL® HB-W952-A is a High Density Polyethylene material. It is available in North America for blow molding.
Important attributes of NOVAPOL® HB-W952-A are:
Food Contact Acceptable
Good Processability
High Molecular Weight
Impact Resistant
Rigid
Typical applications include:
Automotive
Containers
Food Contact Applications
Plumbing/Piping/Potable Water
Tanks

General Information			
Additive	Processing Stabilizer		
Features	Food Contact Acceptable Good Impact Resistance Good Processability High Density High Molecular Weight High Rigidity		
Uses	Blow Molding Applications Corrugated Pipe Drums Fuel Tanks		
Agency Ratings	AASHTO M294-10 FDA 21 CFR 177.1520(c) 3.2a		
Forms	Pellets		
Processing Method	Blow Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.952	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	10	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)	25.0	MPa	ASTM D638
Tensile Elongation (Break)	820	%	ASTM D638
Flexural Modulus	1280	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (3.20 mm)	390	J/m	ASTM D256
Tensile Impact Strength	320	kJ/m^2	ASTM D1822
Thermal	**Nominal Value**	**Unit**	**Test Method**
Brittleness Temperature	< -70.0	°C	ASTM D746

Recommended distributors for this material

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