

NOVAPOL® HE-W959-A

High Density Polyethylene

NOVA Chemicals

Message:

NOVAPOL® HE-W959-A is a High Density Polyethylene material. It is available in North America for blow molding, sheet extrusion, or thermoforming. Important attributes of NOVAPOL® HE-W959-A are:
High Molecular Weight
Impact Resistant
Rigid
Stabilized
Typical application of NOVAPOL® HE-W959-A: Food Contact Applications

General Information			
Additive	Processing Stabilizer		
Features	Good Impact Resistance		
	High Density		
	High Molecular Weight		
	High Rigidity		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Blow Molding		
	Sheet Extrusion		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.959	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	11	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (100% Igepal, F50)	45.0	hr	ASTM D1693A
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	70		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	30.0	MPa	ASTM D638
Tensile Elongation (Break)	1100	%	ASTM D638
Flexural Modulus	1700	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	680	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	84.0	°C	ASTM D648
Brittleness Temperature	< -70.0	°C	ASTM D746

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Recommended distributors for this material

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