

NOVAPOL® HB-W355-A

High Density Polyethylene
NOVA Chemicals

Message:

NOVAPOL® HB-W355-A is a High Density Polyethylene material. It is available in North America for blow molding.
Important attributes of NOVAPOL® HB-W355-A are:
Food Contact Acceptable
High ESCR (Stress Crack Resistant)
High Molecular Weight
Impact Resistant
Rigid
Typical applications include:
Containers
Food Contact Applications

General Information			
Additive	Processing Stabilizer		
Features	Food Contact Acceptable		
	Good Impact Resistance		
	High Density		
	High ESCR (Stress Crack Resist.)		
	High Molecular Weight		
	High Rigidity		
Uses	Drums		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.2a		
Forms	Pellets		
Processing Method	Blow Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.955	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	3.0	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (100% Igepal, F50)	> 500	hr	ASTM D1693B
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	28.0	MPa	ASTM D638
Tensile Elongation (Break)	820	%	ASTM D638
Flexural Modulus	1380	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	780	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

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

