

DOW™ HDPE NG6997

High Density Polyethylene Resin

The Dow Chemical Company

Message:

DOW™ HDPE NG6997 is a High Density Polyethylene Resin material. It is available in Latin America.

Important attributes of DOW™ HDPE NG6997 are:

Antiblock

Processing Aid

Slip

Typical application of DOW™ HDPE NG6997: Food Contact Applications

General Information			
Agency Ratings	EU No 10/2011 FDA 21 CFR 177.1520(c) 3.2a		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.944	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/21.6 kg	11	g/10 min	
190°C/5.0 kg	0.38	g/10 min	
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	380	µm	
Film Puncture Resistance (380 µm)	4.96	J/cm ³	Internal Method
Tensile Strength			ASTM D882
MD : Yield,380 µm	31.0	MPa	
TD : Yield,380 µm	28.0	MPa	
MD : Break, 380 µm	49.9	MPa	
TD : Break, 380 µm	33.0	MPa	
Tensile Elongation			ASTM D882
MD : Break, 380 µm	260	%	
TD : Break, 380 µm	530	%	
Dart Drop Impact (380 µm)	55	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 380 µm	5.0	g	
TD : 380 µm	50	g	
Extrusion	Nominal Value	Unit	
Melt Temperature	211	°C	

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