

DOW™ HDPE NG7000

High Density Polyethylene Resin

The Dow Chemical Company

Message:

DOW™ HDPE NG7000 is a High Density Polyethylene Resin material. It is available in Latin America.

Important attributes of DOW™ HDPE NG7000 are:

Antiblock

Processing Aid

Slip

Typical application of DOW™ HDPE NG7000: 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	0.949	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	0.40	g/10 min	
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	15	µm	
Film Puncture Resistance (15 µm)	4.96	J/cm ³	Internal Method
Tensile Strength			ASTM D882
MD : Yield, 15 µm	40.0	MPa	
TD : Yield, 15 µm	30.0	MPa	
MD : Break, 15 µm	77.9	MPa	
TD : Break, 15 µm	42.0	MPa	
Tensile Elongation			ASTM D882
MD : Break, 15 µm	380	%	
TD : Break, 15 µm	670	%	
Dart Drop Impact (15 µm)	49	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 15 µm	6.0	g	
TD : 15 µm	47	g	
Extrusion	Nominal Value	Unit	
Melt Temperature	211	°C	

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