

HDPE NG 7000 H

High Density Polyethylene Resin

The Dow Chemical Company

Message:

HDPE NG 7000 H is a High Density Polyethylene Resin material. This product is available in Latin America.

The main features of HDPE NG 7000 H are:

Antiblock software

slide

processing aids

The typical application field of HDPE NG 7000 H is: food contact application

General Information			
Agency Ratings		FDA 21 CFR 177.1520(c) 3.2a	
		Europe No 10/2011	
Forms		Particle	
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.947	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/21.6 kg	11	g/10 min	ASTM D1238
190°C/5.0 kg	0.38	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	15	µm	
Film Puncture Resistance (15 µm)	4.96	J/cm³	Internal method
Tensile Strength			ASTM D882
MD: Yield, 15 µm	40.0	MPa	ASTM D882
TD: Yield, 15 µm	30.0	MPa	ASTM D882
MD: Break, 15 µm	77.9	MPa	ASTM D882
TD: Break, 15 µm	42.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Break, 15 µm	380	%	ASTM D882
TD: Break, 15 µm	670	%	ASTM D882
Dart Drop Impact (15 µm)	49	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 15 µm	7.0	g	ASTM D1922
TD : 15 µm	54	g	ASTM D1922
Extrusion	Nominal Value	Unit	
Melt Temperature	211	°C	

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