Technical Information

HDPE NG 7000 H
High Density Polyethylene Resin

Additive
- Antiblock: No
- Slip: No
- Processing Aid: No

Physical	Nominal Value	(English)	Nominal Value	(SI)	Test Method
Density	0.949	g/cm³	0.949	g/cm³	ASTM D792
Melt Index					ASTM D1238
190°C/5.0 kg	0.38	g/10 min	0.38	g/10 min	
190°C/21.6 kg	11	g/10 min	11	g/10 min	
Films	**Nominal Value**	**(English)**	**Nominal Value**	**(SI)**	**Test Method**
Film Thickness - Tested	1	mil	15	µm	
Film Puncture Resistance (0.59 mil (15 µm))	60.0	ft·lb/in³	4.96	J/cm³	Dow Method
Tensile Strength					ASTM D882
MD : Yield, 0.59 mil (15 µm)	5800	psi	40.0	MPa	
TD : Yield, 0.59 mil (15 µm)	4350	psi	30.0	MPa	
MD : Break, 0.59 mil (15 µm)	11300	psi	77.9	MPa	
TD : Break, 0.59 mil (15 µm)	6090	psi	42.0	MPa	
Tensile Elongation					ASTM D882
MD : Break, 0.59 mil (15 µm)	380	%	380	%	
TD : Break, 0.59 mil (15 µm)	670	%	670	%	
Dart Drop Impact (0.59 mil (15 µm))	49	g	49	g	ASTM D1709A
Elmendorf Tear Strength					ASTM D1922
MD : 0.59 mil (15 µm)	7.0	g	7.0	g	
TD : 0.59 mil (15 µm)	54	g	54	g	

Extrusion	Nominal Value	(English)	Nominal Value	(SI)
Melt Temperature	412	°F	211	°C

Notes

These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.

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