Technical Information

DOWLEX™ 2028B
Polyethylene Resin

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

Physical	Nominal Value	(English)	Nominal Value	(SI)	Test Method
Density	0.941	g/cm³	0.941	g/cm³	ASTM D792
Melt Index (190°C/2.16 kg)	4.0	g/10 min	4.0	g/10 min	ASTM D1238
Films	**Nominal Value**	**(English)**	**Nominal Value**	**(SI)**	**Test Method**
Film Thickness - Tested	0.98	mil	25	µm	
Film Puncture Resistance (0.98 mil (25 µm))	72.5	ft·lb/in³	6.00	J/cm³	Dow Method
Secant Modulus					ASTM D882
2% Secant, MD : 0.98 mil (25 µm)	55800	psi	385	MPa	
2% Secant, TD : 0.98 mil (25 µm)	61600	psi	425	MPa	
Tensile Strength					ASTM D882
MD : Yield, 0.98 mil (25 µm)	2900	psi	20.0	MPa	
TD : Yield, 0.98 mil (25 µm)	3050	psi	21.0	MPa	
MD : Break, 0.98 mil (25 µm)	6960	psi	48.0	MPa	
TD : Break, 0.98 mil (25 µm)	4930	psi	34.0	MPa	
Tensile Elongation					ASTM D882
MD : Break, 0.98 mil (25 µm)	620	%	620	%	
TD : Break, 0.98 mil (25 µm)	820	%	820	%	
Dart Drop Impact (0.98 mil (25 µm))	35	g	35	g	ASTM D1709A
Elmendorf Tear Strength					ASTM D1922
MD : 0.98 mil (25 µm)	60	g	60	g	
TD : 0.98 mil (25 µm)	210	g	210	g	
Optical	**Nominal Value**	**(English)**	**Nominal Value**	**(SI)**	**Test Method**
Gloss (45°, 0.984 mil (25.0 µm))	91		91		ASTM D2457
Haze (0.984 mil (25.0 µm))	3.0	%	3.0	%	ASTM D1003

Extrusion	Nominal Value	(English)	Nominal Value	(SI)
Melt Temperature	525	°F	274	°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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