



# LINEAR LOW DENSITY POLYETHYLENE

## Novapol TF-0219-E<sup>(3)</sup>

**Producer:** Nova Chemicals / The United States (USA)

**Description:** Novapol Hexene LLDPE

**Applications:** Cast stretch wrap

**Additive Package:** High temp AO

PROPERTIES	TEST METHOD	UNIT	VALUE
Melt Index <sup>(1)</sup>	D 1238	g/10 min	2.0
Density	D 792	g/cm <sup>3</sup>	0.918
Thickness		um (mil)	20 (0.8)
<b>Film properties</b>			
Dart Drop Impact	D 1709/A	g	160
Low Friction Puncture	J/mm	(in-lb-mil)	70 (16) (4)
Tear Strength MD	D 1922	g	320
Tear Strength TD	D 1922	g	600
Tensile Strength MD	D 882	Mpa (psi)	45 (6530)
Tensile Strength TD	D 882	Mpa (psi)	30 (4350)
Yield Strength MD	D 882	Mpa (psi)	8 (1200)
Yield Strength TD	D 882	Mpa (psi)	8 (1200)
Elongation MD	D 882	%	550
Elongation TD	D 882	%	840
1% Secant Modulus MD	D 882	Mpa (psi)	140 (20300)
1% Secant Modulus TD	D 882	Mpa (psi)	150 (21760)
Haze	D 1003	%	2
Gloss @45°	D 2457		90
Coefficient of Friction	D 1894		-

<sup>(1)</sup> - Condition 190/2.16

<sup>(4)</sup> - NOVA Chemicals test method