



Producer: Nova Chemicals / The United States (USA)

## Novapol® LLDPE PF-Y821-D

### Description:

Novapol® Butene LLDPE

### Application:

Bags-on-roll, produce bags, garment film, trash bags

### Additive Package:

High Slip and Antiblock

PROPERTIES	TEST METHOD	UNIT	VALUE
Melt Index <sup>(1)</sup>	D 1238	g/10 min	0.8
Density	D 792	g/cm <sup>3</sup>	0.921
Thickness		um (mil)	38 (1.5)
<b>Film properties</b>			
Dart Drop Impact	D 1709/A	g	130
Low Friction Puncture	J/mm	(in-lb-mil)	45 (11)
Tear Strength MD	D 1922	g	130
Tear Strength TD	D 1922	g	520
Tensile Strength MD	D 882	Mpa (psi)	38 (5400)
Tensile Strength TD	D 882	Mpa (psi)	27 (3800)
Yield Strength MD	D 882	Mpa (psi)	11 (1600)
Yield Strength TD	D 882	Mpa (psi)	11 (1600)
Elongation MD	D 882	%	550
Elongation TD	D 882	%	690
1% Secant Modulus MD	D 882	Mpa (psi)	200 (28000)
1% Secant Modulus TD	D 882	Mpa (psi)	230 (33000)
Haze	D 1003	%	160
Gloss @45°	D 2457		45
Coefficient of Friction	D 1894		<0.2

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