



Producer: Nova Chemicals / The United States (USA)

Novapol LLDPE PF-0218-D

Description:

Novapol Butene LLDPE.

Application:

Trash bags, bags-on-roll, garment film

Additive Package:

High slip and antiblock

PROPERTIES	TEST METHOD	UNIT	VALUE
Melt Index ⁽¹⁾	D 1238	g/10 min	2.0
Density	D 792	g/cm ³	0.918
Thickness		um (mil)	38 (1.5)
Film properties			
Dart Drop Impact	D 1709/A	g	110
Low Friction Puncture	J/mm	(in-lb-mil)	45 (10)
Tear Strength MD	D 1922	g	135
Tear Strength TD	D 1922	g	400
Tensile Strength MD	D 882	Mpa (psi)	30 (4300)
Tensile Strength TD	D 882	Mpa (psi)	25 (3600)
Yield Strength MD	D 882	Mpa (psi)	10 (1400)
Yield Strength TD	D 882	Mpa (psi)	9 (1300)
Elongation MD	D 882	%	690
Elongation TD	D 882	%	740
1% Secant Modulus MD	D 882	Mpa (psi)	180 (26000)
1% Secant Modulus TD	D 882	Mpa (psi)	200 (28000)
Haze	D 1003	%	20
Gloss @45°	D 2457		35
Coefficient of Friction	D 1894		<0.2

⁽¹⁾ - Condition 190/2.16