



Producer: Nova Chemicals / The United States (USA)

Novapol LLDPE PF-Y821-CP

Description:

Novapol Butene LLDPE.

Application:

Industrial packaging, heavy duty sacks

Additive Package:

Antiblock. Polymer Process Aid

PROPERTIES	TEST METHOD	UNIT	VALUE
Melt Index ⁽¹⁾	D 1238	g/10 min	0.8
Density	D 792	g/cm ³	0.921
Thickness		um (mil)	38 (1.5)
Film properties			
Dart Drop Impact	D 1709/A	g	140
Low Friction Puncture	J/mm	(in-lb-mil)	75 (18)
Tear Strength MD	D 1922	g	195
Tear Strength TD	D 1922	g	390
Tensile Strength MD	D 882	Mpa (psi)	30 (4300)
Tensile Strength TD	D 882	Mpa (psi)	25 (3625)
Yield Strength MD	D 882	Mpa (psi)	10 (1400)
Yield Strength TD	D 882	Mpa (psi)	10 (1400)
Elongation MD	D 882	%	660
Elongation TD	D 882	%	730
1% Secant Modulus MD	D 882	Mpa (psi)	190 (27000)
1% Secant Modulus TD	D 882	Mpa (psi)	230 (33000)
Haze	D 1003	%	11
Gloss @45°	D 2457		57
Coefficient of Friction	D 1894		>0.5

⁽¹⁾ - Condition 190/2.16