



Producer: Nova Chemicals / The United States (USA)

Novapol LLDPE TF-Y822-CP

Description:

Novapol Hexene LLDPE.

Application:

Heavy duty sacks, high strength packaging

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	240
Low Friction Puncture	J/mm	(in-lb-mil)	100 (22)
Tear Strength MD	D 1922	g	500
Tear Strength TD	D 1922	g	870
Tensile Strength MD	D 882	Mpa (psi)	32 (4650)
Tensile Strength TD	D 882	Mpa (psi)	28 (4050)
Yield Strength MD	D 882	Mpa (psi)	10 (1450)
Yield Strength TD	D 882	Mpa (psi)	10 (1450)
Elongation MD	D 882	%	650
Elongation TD	D 882	%	850
1% Secant Modulus MD	D 882	Mpa (psi)	180 (26000)
1% Secant Modulus TD	D 882	Mpa (psi)	200 (29000)
Haze	D 1003	%	10
Gloss @45°	D 2457		60
Coefficient of Friction	D 1894		>0.5

⁽¹⁾ - Condition 190/2.16