



Producer: Nova Chemicals / The United States (USA)

Novapol LLDPE TF-0338-E⁽³⁾

Description:

Novapol Hexene LLDPE.

Application:

Diaper back sheet, belnding

Additive Package:

High temp AO

PROPERTIES	TEST METHOD	UNIT	VALUE
Melt Index ⁽¹⁾	D 1238	g/10 min	3.5
Density	D 792	g/cm ³	0.938
Thickness		um (mil)	25 (1.0)
Film properties			
Dart Drop Impact	D 1709/A	g	-
Low Friction Puncture	J/mm	(in-lb-mil)	13 (3) ⁽³⁾
Tear Strength MD	D 1922	g	35
Tear Strength TD	D 1922	g	200
Tensile Strength MD	D 882	Mpa (psi)	41 (6000)
Tensile Strength TD	D 882	Mpa (psi)	32 (4700)
Yield Strength MD	D 882	Mpa (psi)	15 (2200)
Yield Strength TD	D 882	Mpa (psi)	16 (2350)
Elongation MD	D 882	%	800
Elongation TD	D 882	%	1070
1% Secant Modulus MD	D 882	Mpa (psi)	320 (47000)
1% Secant Modulus TD	D 882	Mpa (psi)	380 (55000)
Haze	D 1003	%	4
Gloss @45°	D 2457		87
Coefficient of Friction	D 1894		>0.5

⁽¹⁾ - Condition 190/2.16

⁽³⁾ - Film properties are typical of cast film