



Producer: Nova Chemicals / The United States (USA)

Novapol LDPE LF-Y819-A

Description:

Novapol LDPE

Application:

Industrial packaging, shrink film, blends with LLDPE, small diameter pipe and tubing

Additive Package:

Base product

PROPERTIES	TEST METHOD	UNIT	VALUE
Melt Index ⁽¹⁾	D 1238	g/10 min	0.75
Density	D 792	g/cm ³	0.919
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	280
Tear Strength TD	D 1922	g	130
Tensile Strength MD	D 882	Mpa (psi)	20 (2900)
Tensile Strength TD	D 882	Mpa (psi)	18 (2600)
Yield Strength MD	D 882	Mpa (psi)	11 (1600)
Yield Strength TD	D 882	Mpa (psi)	10 (1450)
Elongation MD	D 882	%	400
Elongation TD	D 882	%	600
1% Secant Modulus MD	D 882	Mpa (psi)	180 (26000)
1% Secant Modulus TD	D 882	Mpa (psi)	200 (29000)
Haze	D 1003	%	15
Gloss @45°	D 2457		35
Coefficient of Friction	D 1894		>0.6

⁽¹⁾ - Condition 190/2.16