

NOVAPOL® TF-0438-E

Linear Medium Density Polyethylene

NOVA Chemicals

Message:

NOVAPOL® TF-0438-E is a Linear Medium Density Polyethylene material. It is available in North America for coextruded film.

Important attributes of NOVAPOL® TF-0438-E are:

- Antioxidant
- Good Stiffness
- Hexene Comonomer
- High Gloss
- Typical applications include:
- Additive/Masterbatch
- Film
- Food Contact Applications

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Good Stiffness		
	Hexene Comonomer		
	High Gloss		
Uses	Blending		
	Film		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.2a		
Processing Method	Coextruded Film		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.938	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.2	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	20	µm	ASTM D882
Secant Modulus			
1% Secant, MD : 20 µm, Cast Film	340	MPa	
1% Secant, TD : 20 µm, Cast Film	430	MPa	ASTM D882
Tensile Strength			
MD : Yield,2.0 µm, Cast Film	15.0	MPa	
TD : Yield,20 µm, Cast Film	15.0	MPa	ASTM D882
MD : Break, 20 µm,Cast Film	38.0	MPa	
TD : Break, 20 µm,Cast Film	26.0	MPa	
Tensile Elongation			ASTM D882
MD : Break, 20 µm,Cast Film	600	%	

TD : Break, 20 µm,Cast Film	900	%	
Elmendorf Tear Strength			ASTM D1922
MD : 20 µm, Cast Film	19	g	
TD : 20 µm, Cast Film	320	g	
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 20.0 µm, Cast Film)	88		ASTM D2457
Haze (20.0 µm, Cast Film)	3.0	%	ASTM D1003
Additional Information	Nominal Value	Unit	
Low Friction Puncture - Cast Film (20.0 µm)	30.0	J/cm	

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