NOVAPOL® TF-0338-E

Linear Medium Density Polyethylene

NOVA Chemicals

Message:

NOVAPOL® TF-0338-E is a Linear Medium Density Polyethylene material. It is available in North America for film extrusion.
Important attributes of NOVAPOL® TF-0338-E are:
Antioxidant
Food Contact Acceptable
Good Stiffness
High Gloss
Typical applications include:
Additive/Masterbatch
Film
Food Contact Applications

General Information			
Additive	Antioxidant		
Features	Antioxidant Food Contact Acceptable Good Stiffness High Gloss		
Uses	Blending Cast Film Compounding Film		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.2a		
Forms	Pellets		
Processing Method	Film Extrusion		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.938	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.5	g/10 min	ASTM D1238
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Tested	20	µm	
Secant Modulus			ASTM D882
1% Secant, MD : 20 µm, Cast Film	320	MPa	
1% Secant, TD : 20 µm, Cast Film	430	MPa	
Tensile Strength			ASTM D882
MD : Yield,20 µm, Cast Film	17.0	MPa	
TD : Yield,20 µm, Cast Film	18.0	MPa	
MD : Break, 20 µm,Cast Film	39.0	MPa	

TD : Break, 20 µm,Cast Film	28.0	MPa	
Tensile Elongation			ASTM D882
MD : Break, 20 µm,Cast Film	670	%	
TD : Break, 20 µm,Cast Film	900	%	
Elmendorf Tear Strength			ASTM D1922
MD : 20 µm, Cast Film	27	g	
TD : 20 µm, Cast Film	200	g	

Optical	Nominal Value	Unit	Test Method
Gloss (45°, 20.0 µm, Cast Film)	85		ASTM D2457
Haze (20.0 µm, Cast Film)	3.0	%	ASTM D1003

Additional Information	Nominal Value	Unit	Test Method
Low Friction Puncture - Cast Film (20.0 µm)	140	J/cm	Internal Method

Recommended distributors for this material

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