TUFLIN™ HS-7001 NT 7

Linear Low Density Polyethylene Resin

The Dow Chemical Company

Message:

TUFLIN™HS-7001 NT 7 linear low density polyethylene resin is an antioxidant modified ethylene-hexene copolymer resin used for casting extrusion. The resin is supplied in the form of pellets. The film prepared by HS-7001 NT 7 has high transparency, high tensile strength, high elongation and good puncture strength. The resin has excellent drafting properties.
Main features:
Suitable for the processing of cast films, including stretched films and self-mucosa
High transparency
Excellent toughness
Comply with the requirements of FDA Regulation 21 CFR 177.1520(c) 3.1a
Please check the regulations for complete details.

General Information			
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1a		
Forms	Particle		
Processing Method	cast film		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.917	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.2	g/10 min	ASTM D1238
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Tested	25	µm	
secant modulus			ASTM D882
1% secant, MD: 25 µm	165	MPa	ASTM D882
1% secant, TD: 25 µm	172	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield, 25 µm	32.4	MPa	ASTM D882
TD: Yield, 25 µm	29.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Break, 25 µm	750	%	ASTM D882
TD: Break, 25 µm	830	%	ASTM D882
Dart Drop Impact (25 µm)	120	g	ASTM D1709A
Elmendorf Tear Strength [1]			ASTM D1922
MD : 25 µm	370	g	ASTM D1922
TD : 25 µm	500	g	ASTM D1922
Optical	**Nominal Value**	**Unit**	**Test Method**
Gardner Gloss (45°, 25.4 µm)	90		ASTM D523
Haze (25.4 µm)	2.5	%	ASTM D1003
Extrusion	**Nominal Value**	**Unit**	
Melt Temperature	266	°C	
Extrusion instructions			

铸造薄膜的制造条件:
可采用传统的槽型铸造薄膜挤出设备进行挤压,只需进行微小的机器改造以获得最佳使用效果.
熔体温度:510°F (265°C)

NOTE	
1.	Method B

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

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