

TUFLIN™ HS-7098C NT 7

Linear Low Density Polyethylene Resin

The Dow Chemical Company

Message:

TUFLIN™ HS-7098C NT 7 is an ethylene-hexene copolymer, linear low density polyethylene (LLDPE) resin designed for cast and blown film applications such as trash bags, industrial can liners, and retail bags. Films extruded with HS-7098C NT 7 exhibit superb toughness, high tensile strength and elongation, excellent tear and puncture resistance, and are readily heat sealable.

Main Characteristics:

Hexene Linear Low Density Resin

High strength

Excellent toughness

Complies with U.S. FDA 21 CFR 177.1520(c)3.1a (with Restrictions). An additive present in this product limits use only in film form for food contact applications.

Application:

Heavy Duty Industrial and Consumer Liners

General Information			
Additive	Processing aid		
	Anti-caking agent (6250 ppm)		
	Sliding agent (1000 ppm)		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1a		
Forms	Particle		
Processing Method	Blow film		
	cast film		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.923	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	25	µm	
Tensile Strength			ASTM D882
MD: Break, 25 µm	44.8	MPa	ASTM D882
TD: Break, 25 µm	34.5	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Break, 25 µm	500	%	ASTM D882
TD: Break, 25 µm	700	%	ASTM D882
Dart Drop Impact ¹ (25 µm)	200	g	ASTM D1709A
Elmendorf Tear Strength ²			ASTM D1922
MD : 25 µm	310	g	ASTM D1922
TD : 25 µm	800	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gardner Gloss (45°, 25.4 µm)	45		ASTM D523

Haze (25.4 μm)	16	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	231	°C	
Extrusion instructions			
吹塑薄膜的制造条件: 螺杆尺寸:2.5 英寸 (63.5 mm) 30:1 L/D 螺杆类型:DSBII 模具间隙:70 密尔 (1.8 mm) 熔体温度:448 °F (231 °C) 输出:模具周长的 6 磅/小时/英寸 模具直径:6 英寸 放大比:2.5 比 1 螺杆速度:78 rpm 冷冻线高度:25 英寸 (635 mm) 1% 割线模量			
NOTE			
1.	F50		
2.	Method B		

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