

MELT - 0.18

DENSITY - 0.946

MMF-1444 is a high molecular weight, hexene copolymer tailored for blown film applications that require toughness and durability, good processability and good blending characteristics with HDPE and HMW resins. **MMF-1444** complies with FDA regulation 21CFR 177.1520 (c) 3.2(a) and most international regulations concerning the use of Polyethylene in contact with food.

Features:

- Toughness and durability
- Good processability
- Good blending characteristics with HDPE HMW resins

Typical Applications:

- T-shirt bags
- Multi-wall liners
- Trash bags

PROPERTIES	ASTM	UNIT	VALUES	
PHYSICAL				
Density	D1505	g/cm ³	0.946	
Melt Flow Rate (190°C, 2.16kg)	D1238	g/10 min	0.18	
Brittleness Temperature (Type A clamp, Type 1 specimen)	D746	°C	< -75	
ESCR - Condition B (100% Igepal, F50)	D1693	hrs	> 1000	
Flexural Modulus (Tangent - 16:1 span:depth, 12.7 mm/min)	D790	MPa	1150	
0.025mm BLOWN FILMS (@ 4:1 Blow-up ratio)			MD	TD
Tensile Strength (Yield) (50.8 mm/min)	D882	MPa	24	26
Elongation (Break) (50.8 mm/min)	D882	%	480	640
Elmendorf Tear Strength	D1922	g	19	270
Dart Drop Impact (66 cm)	D1709	g	90	