



High Density Polyethylene Resin

Technical Data Sheet

Marlex® HHM TR-144

This high molecular weight hexene copolymer is designed for film applications. It has been formulated to provide....

- Good processability
- Good toughness and durability
- Good blending characteristics with HDPE HMW film resin

Typical applications include:

- Multi – wall liners
- T-shirt & shopping bags
- Trash bags

This resin meets these specifications:

- FDA Regulation 21CFR 177.1520. Suitable for food packaging.

Nominal Physical Properties *	ASTM	Unit	Value
Density	D1505	g/cm ³	0.946
Melt Index, Condition 190°C/ 2.16 kg	D1238	g/10min	0.18
HLMI, Condition 190°C/21.6 kg	D1238	g/10min	15
Flexural Modulus, Tangent	D790	MPa	1150
Brittleness Temperature	D746	°C	<-75
<u>Typical Film Properties**</u>			
Dart Drop (66cm)	D1709	g	90
Spencer Impact Strength	D3420	J	0.35
Tensile Yield Strength, 50 mm/min	D882	MPa	MD: 24 TD: 26
Elongation at Break, 50 mm/min	D882	%	MD: 480 TD: 640
Elmendorf Tear Strength	D1922	g	MD: 19 TD: 270

* The nominal properties reported herein are typical of the product, but do not reflect normal testing variance and therefore should not be used for specification purposes. Values are rounded. The physical properties were determined on compression molded specimens that were prepared in accordance with Procedure C of ASTM D4703, Annex A1.

**Based on 0.025 mm film produced at 4:1 blow-up ratio.

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Revised July 2011