



Medium Density Polyethylene Resin

Technical Data Sheet

Marlex[®] HHM TR-131

This high molecular weight hexene copolymer provides...

- Excellent overall balance of toughness
- Good impact strength and tear properties

It is ideal for fabricating into:

- Produce bags
- 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	0.938
Melt Index, Condition 190°C/ 2.16 kg	D1238	g/10min	0.2
HLMI, Condition 190°C/21.6 kg	D1238	g/10min	15
Flexural Modulus, Tangent	D790	MPa	760
Brittleness Temperature	D746	°C	<-75
<u>Typical Film Properties**</u>			
Dart Drop (66cm)	D1709	g	165
Spencer Impact Strength	D3420	J	0.35
Tensile Yield Strength, 50 mm/min	D882	MPa	MD: 21 TD: 23
Elongation at Break, 50 mm/min	D882	%	MD: 500 TD: 660
Elmendorf Tear Strength	D1922	g	MD: 30 TD: 350

* 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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