



Lotrène® Q TR-131

POLYETHYLENE

Medium Density Polyethylene Resin

DESCRIPTION AND USE

This high molecular weight hexene copolymer provides:

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

This resin meets these specifications:

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

It is ideal for fabricating into:

- Produce bags
- Shopping bags
- Trash bags

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
Typical Film Properties* 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

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

The physical properties were determined on compression molded specimens that were prepared in accordance with Procedure C of ASTM D4703, Annex A1.

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