



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.

TECHNICAL DISCLAIMER

The values reported in this technical data sheet are the results of tests carried out in accordance with standard test procedures in a laboratory environment. Actual properties may vary depending on batch and extrusion conditions. Therefore, these values should not be used for specification purposes.

Before using this product, the user is advised and cautioned to make its own determination and assessment of the safety and suitability of the product for the specific use in question, and is further advised against relying on the information contained herein as it may relate to any specific use or application.

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