



Medium Density Polyethylene Resin

Technical Data Sheet

Lotrène® Q TR-131

This high molecular weight hexene copolymer provides:

- Soft feel
- Good toughness, impact strength and tear resistance
- Good blending characteristics with HDPE HMW resins

This resin meets these specifications:

- FDA Regulation 21CFR 3.2a, use condition B through H per Table 2 of 21 CFR 176.170(c)
- (EU) No. 10/2011

It is ideal for fabricating into:

- T-shirt bags
- Shopping bags
- Trash bags

Nominal Physical Properties*	ASTM	Unit	Value
Density	D792	g/cm ³	0.938
Melt Index, Condition 190 C°/ 2.16 kgs	D1238	g/10min	0.2
Flexural Modulus, Tangent – 16:1 span:depth, 12.7 mm/min	D790	MPa	760
ESCR, Condition B (100 % Igepal), F50	D1693	h	> 1,000
Brittleness Temperature, Type A clamp, Type I specimen	D746	°C	<-75
Typical Film Properties** Dart Drop (66cm)	D1709	g	165
Tensile Yield Strength, 50.8 mm/min	D882	MPa	MD: 21 TD: 23
Elongation at Break, 50.8 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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