Manufacturer website: qapco.com

Lotrène® POLYETHYLENE Q TR-144

High Density Polyethylene Resin

DESCRIPTION AND USE

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:

- FD A Regulation 21CFR 177.1520. Suitable for food packaging.

NOMINAL PHYSICAL PROPERTIES	ASTM	UNIT	VALUE
Density	D1505	g/cm3	0.946
Melt Index, Condition 190 °C/2.16 kg HLMI, Condition 190 °C/21.6 kg	D1238 D1238	g/10min g/10min	0.18 15
Flexural Modulus, Tangent	D790	MPa	1150
Brittleness Temperature	D746	°C	<-75
Typical Film Properties* 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

*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.

TECHNICAL DISCLAIMER

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