Marlex® HHM TR-144

High Density Polyethylene

This high molecular weight, hexene copolymer is tailored for blown film applications that require:

- Toughness and durability
- Good processability
- Good blending characteristics with HDPE HMW resins

Typical applications for HHM TR-144 include:

- T-shirt bags
- Multi-wall liners
- Trash bags

This resin meets these specifications:

- FDA 21 CFR 177.1520(c) 3.2a
- EU No. 10/2011

For a Material Safety Data Sheet (MSDS), visit our site at www.saudipolymers.com

Nominal Resin Properties[1,2]	Value (SI Units)	Method
Density	0.946 g/cm^3	ASTM D1505
Melt Index, Condition 190°C / 2.16 kg	0.18 g/10 min	ASTM D1238
Brittleness Temperature, Type A clamp, Type I specimen	<-75°C	ASTM D746
ESCR, Condition B (100% Igepal), F_{50}	>1000 hrs	ASTM D1693
Flexural Modulus, Tangent - 16:1 span:depth, 12.7 mm/min	1150 MPa	ASTM D790
Nominal Blown Film Properties at 0.025mm[1,3]	**Value (SI Units)**	**Method**
Dart Drop (66 cm)	90 g	ASTM D1709
Tensile Strength at Yield, 50.8 mm/min MD	24 MPa	ASTM D882
Tensile Strength at Yield, 50.8 mm/min TD	26 MPa	ASTM D882
Elongation at Break, 50.8 mm/min MD	480%	ASTM D882
Elongation at Break, 50.8 mm/min TD	640%	ASTM D882
Elmendorf Tear Strength, MD	19 g	ASTM D1922
Elmendorf Tear Strength, TD	270 g	ASTM D1922

1. 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.
2. The physical properties were determined on compression moulded specimens that were prepared in accordance with Procedure C of ASTM D4703, Annex A1.
3. Based on 0.025 mm film produced at 4:1 blow-up ratio.

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