

**TECHNICAL DATA SHEET****HDPE-TR144 (HIGH DENSITY POLYETHYLENE- Blown Film Application)****Product Description:**

This high molecular weight, hexene copolymer is tailored for blown film application 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

Forms: • Pellets**Origin:** SAUDI

➤ SAUDI POLYMER

Physical	Test Method	Unit	Value
Density	ASTM D1505	g/cm ³	0.946
Flow Rate (MI, 190 °C/2.16 kg)	ASTM D1238	g/10 min	0.18
Flexural Modulus, Tangent – 16:1 span:depth, 12.7 mm/min	ASTM D790	MPa	1,150
ESCR, Condition B (100 % Igepal), F ₅₀	ASTM D1693	Hour	> 1,000
Brittleness Temperature, Type A clamp, Type I specimen	ASTM D746	°C	< -75
Nominal Blown Film Properties at 0.025 mm^(1,3)	Test Method	Unit	Value
Dart Drop (66 cm)	90	g	ASTM D1709
Elmendorf Tear MD	19	g	ASTM D1922
Elmendorf Tear TD	270	g	ASTM D1922
Tensile Strength at Yield MD, 50.8 mm/min	24	MPa	ASTM D882
Tensile Strength at Yield TD, 50.8 mm/min	26	MPa	ASTM D882
Tensile Elongation at Break MD, 50.8 mm/min	19	g	ASTM D1922
Tensile Elongation at Break TD, 50.8 mm/min	270	g	ASTM D1922

1. The nominal properties reported herein are typical of the products, 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.