

**TECHNICAL DATA SHEET****HHM TR131 –( HIGH DENSITY POLYETHYLENE )****Product Description**

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

- Soft Gel
- Good toughness, impact strength and tear resistance
- Good Blending characteristics with HDPE HMW Resins

**Typical applications for HHM TR-131 include:**

- T-shirt bags • Shopping bags • Trash bags

**Origin:** SAUDI

- Saudi Polymer

<b>Nominal Resin Properties <sup>(1,2)</sup></b>	<b><u>Typical Values</u></b>	<b><u>Units</u></b>	<b><u>Test Methods</u></b>
Density	0.938	g/cm <sup>3</sup>	ASTM D1505
Melt Index, Condition 190°C / 2.16 kg	0.20	g/10 min	ASTM D1238
Brittleness Temperature, Type A clamp, Type I specimen	<-75	°C	ASTM D746
ESCR, Condition B (100% Igepal), F50	>1000	h	ASTM D1693
Flexural Modulus, Tangent - 16:1 span:depth, 12.7 mm/min	760	MPa	ASTM D790
<b>Nominal Blown Film Properties at 0.025 mm <sup>(1,3)</sup></b>	<b><u>Typical Values</u></b>	<b><u>Units</u></b>	<b><u>Test Methods</u></b>
Dart Drop (66 cm)	165	g	ASTM D1709
Tensile Strength at Yield, 50.8 mm/min MD	21	MPa	ASTM D882
Tensile Strength at Yield, 50.8 mm/min TD	23	MPa	ASTM D882
Elongation at Break, 50.8 mm/min MD	500	%	ASTM D882
Elongation at Break, 50.8 mm/min TD	660	%	ASTM D882
Elmendorf Tear Strength, MD	30	g	ASTM D1922
Elmendorf Tear Strength, TD	350	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.