

Producer: Qatar Chemical Company LTD (Q-Chem) / Qatar

Marlex® HHM TR-144

Description:

This highmolecular 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

Application :

- Multi - wall liners
- T-shirt & shopping bags
- Trash bags
- FDA Regulation 21 CFR 177.1520. Suitable for food packaging.

| TYPICAL PROPERTIES | ASTM | UNIT | VALUE |
|------------------------------------|-------|-------------------|--------------------|
| Density | D1505 | g/cm ³ | 0.946 |
| Melt Index, Condition 190°C/2.16kg | D1238 | g/10min | 0.18 |
| HLMI, Condition 190°C/21.6kg | D1238 | g/10min | 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 |

* 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.