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Marlex Polyethylene

SUPERIOR FLEXIBLE PACKAGING RESINS

Marlex® HHM TR-130 Polyethylene

MEDIUM DENSITY POLYETHYLENE (MDPE)

This medium density polyethylene is an ethylene-hexene copolymer and is tailored for blown film applications that require:

- Good stiffness
- Excellent toughness
- Blending with LLDPE and LDPE
- Superior bubble stability

Typical blown film applications include:

- Retail bags
- Industrial liners
- Mailer bags
- Blend component

Nominal Resin Properties	English	SI	Method
Melt Index, 190 °C/2.16 kg	---	0.3 g/10 min	ASTM D1238
Density	---	0.937 g/cm^3	ASTM D1505

Nominal Blown Film Properties at 1 mil[1]	English	SI	Method
COF	0.25	0.25	ASTM D1894
Dart		50 g/mil	ASTM D1709
Elmendorf Tear MD	---	16 g/mil	ASTM D1922
Elmendorf Tear TD	---	1600 g/mil	ASTM D1922
Tensile Strength at Break MD	7900 psi	54 MPa	ASTM D882
Tensile Strength at Break TD	5600 psi	49 MPa	ASTM D882
Tensile Elongation at Break MD	310 %	310 %	ASTM D882
Tensile Elongation at Break TD	840 %	840 %	ASTM D882
1 % Secant Modulus MD	88000 psi	607 MPa	ASTM D882
1 % Secant Modulus TD	121000 psi	834 MPa	ASTM D882
WVTR	0.82 g/100in^2/day	12.7 g/m^2/day	ASTM F1249
OTR	390 cm^3/100in^2/day	6000 cm^3/m^2/day	ASTM D3985

1. Produced using a grooved feed extruder at a rate of 8 lb/in die with a 2.5:1 BUR using a dual lip air ring

Revision Date: August, 2021

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Before using this product, the user is advised and cautioned to make its own determination and assessment of the safety and suitability of the product for the specific use in question and is further advised against relying on the information contained herein as it may relate to any specific use or application. It is the ultimate responsibility of the user to ensure that the product is suited and the information is applicable to the user's specific application. Chevron Phillips Chemical Company LP does not make, and expressly disclaims, all warranties, including warranties of merchantability or fitness for a particular purpose, regardless of whether oral or written, express or implied, or allegedly arising from any usage of any trade or from any course of dealing in connection with the use of the information contained herein or the product itself. The user expressly assumes all risk and liability, whether based in contract, tort or otherwise, in connection with the use of the information contained herein or the product itself. Further, information contained herein is given without reference to any intellectual property issues, as well as federal, state or local laws which may be encountered in the use thereof. Such questions should be investigated by the user.