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SUPERIOR FLEXIBLE PACKAGING RESINS

Marlex® 9608XD Polyethylene

HIGH DENSITY POLYETHYLENE (HDPE)

This high density polyethylene is tailored for cast film applications that require:

- Very low gel levels
- Very "clear" film
- Excellent drawdown
- Enhanced stiffness
- Excellent WVTR for a chill cast film
- Excellent processability

Typical cast film applications include:

- Coextrusions
- Overwrap
- Food packaging
- Moisture sensitive packaging

This high density polyethylene can also be used in extrusion coating applications that require:

- Enhanced stiffness
- Abrasion resistance
- Increased temperature resistance
- Improved WVTR

This high density grade is designed to be blended or coextruded with a low density polyethylene (LDPE) coating grade, if used in extrusion coating. Please contact your Technical Service representative for further information regarding blending this resin with LDPE.

Nominal Resin Properties	English	SI	Method
Melt Index, 190 °C/2.16 kg	---	8.0 g/10 min	ASTM D1238
Density	---	0.962 g/cm ³	ASTM D1505

Nominal Cast Film Properties at 1.25 mil ¹	English	SI	Method
Haze	11 %	11 %	ASTM D1003
Gloss, 60°	120	120	ASTM D2457
Dart	---	35 g/mil	ASTM D1709
Elmendorf Tear MD	---	35 g/mil	ASTM D1922
Elmendorf Tear TD	---	100 g/mil	ASTM D1922
Tensile Strength at Break MD	4,200 psi	29 MPa	ASTM D882
Tensile Strength at Break TD	3,300 psi	23 MPa	ASTM D882
Tensile Elongation at Break MD	870 %	870 %	ASTM D882
Tensile Elongation at Break TD	790 %	790 %	ASTM D882
1 % Secant Modulus MD	110,000 psi	758 MPa	ASTM D882
1 % Secant Modulus TD	122,000 psi	841 MPa	ASTM D882
WVTR	0.35 g/100in ² /day	5 g/m ² /day	ASTM F1249

1. Testing performed on a cast line @ 500 °F and a 0.025 in die gap

Revision Date: August, 2021



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.