Manufacturer website: https://www.westlake.com/

Westlake Polyethylene™

TYMAX® GT4525

Tie Layer Resin

Technical Data Sheet

Applications

- Blown film
- Tie-layer

Product Description

TYMAX® GT4525 is a maleic anhydride modified linear low density polyethylene plastomer suitable for blown film applications. This resin is designed for bonding polyethylene to both polyamides and EVOH resins in multilayer films. Because it is a plastomer based resin, it has higher flexibility, dart impact, and tear resistance than standard linear low density polyethylene tie resins. It does not contain any slip or antiblock additives.

Typical Physical Properties

Property [a]	Test Method [b]	Typical Value, Units [c]
Melt Index (Condition 190°C/2.16 kg)	D 1238	0.75 g/10 min
Density	D 4883	910 kg/m^3 (0.910 g/cm^3)
Vicat Softening Point	D 1525	90°C (194°F)
DSC Melting Point	D 3418	121°C (250°F)

[a] Unless noted otherwise, all tests are run at 23°C (73°F) and 50% relative humidity.
[b] Unless noted otherwise, the test method is ASTM.
[c] Units are in SI or US customary units.

Processing

Melt temperatures of 410°F – 440°F are recommended for TYMAX® GT4525. For assistance with applications and temperature profiles, please contact your Westlake Technical Services Representative.

Regulatory Compliance

This product has some 21 CFR clearances. Please contact your Westlake Sales Representative for food contact statements.

Westlake makes no representation that the material in any particular shipment will conform exactly to the values given. Westlake and its marketing affiliates shall not be responsible for the use of this information, or of any product, method, or apparatus mentioned, and you must make your own determination of its suitability and completeness for your own use, for the protection of the environment, and for the health and safety of your employees and purchasers of your products. No warranty is made of the merchantability of fitness of any product, and nothing herein waives any of the Seller's conditions of sale.

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