

Technical Data Sheet

Applications

- Solar Films

Product Description

Westlake ELEVATE® EM281 resin is a 28% vinyl acetate copolymer (EVA). It is an intermediate viscosity EVA resin for modifying hot melt adhesives and providing a base for compounding applications. It contains a pellet handling additive commonly used in some EVA resins to improve pellet flow.

Typical Physical Properties

Property ^a	Test Method ^b	Typical Value, Units ^c
Melt Index	D 1238	25 g/10 min
Density	D 1505	948 kg/m ³ (0.948 g/cm ³)
Peak Melting Point by DSC (T _m)	D 3418	75°C (167°F)
Tensile Strength @ Break	D 638 Type IV	7.6 MPa (1,100 psi)
Elongation @ Break	D 638 Type IV	700%
Flexural Modulus – 1% Secant	D 790	20.7 MPa (3,000 psi)
Durometer Hardness – Shore A	D 2240	82
Durometer Hardness – Shore D	D 2240	27

^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.

Notes

The reported properties were measured using compression molded specimens prepared according to ASTM D 1928.

Processing

Melt temperatures of 360°F – 390°F are recommended for EM281.

Regulatory Compliance

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

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