



Application/Uses

- Films
- Flexible Packaging
- Asphalt Modification
- Impact Modification
- Wire and Cable

Key Attributes

- Compatibility with various polymers
- Good heat and RF sealing
- Low temperature toughness
- Soft, flexible, and tough without plasticizers

Product Description

Westlake EBAC® SP2810 is a 16% EBA copolymer designed for blown film, co-extrusions, and blends where flexibility and strength are important. SP2810 provides excellent elasticity and low temperature performance and can be used to improve the performance of various polymers and bitumen/asphalt blends.

Typical Physical Properties

<u>Property^a</u>	<u>Test^b Method</u>	<u>Typical Value, Units^c</u>
Melt Index (Condition 190°C/2.16 kg)	D 1238	1.4 g/10 min
Density	D 1505	924 kg/m ³ (0.924 g/cm ³)
Butyl Acrylate Content	Westlake	16 %
Peak Melting Point by DSC	D 3418	96°C (205°F)
Vicat Softening Point	D 1525	67°C (153°F)
Brittleness Temperature	D 746	< -73°C (< -99°F)
Durometer Hardness Shore D Scale	D 2240	45
Tensile Stress @ Break 500 mm/min (20 in./min)	D 638 Type IV Specimen	1,500 psi
Tensile Stress @ Yield 500 mm/min (20 in./min)	D 638 Type IV Specimen	1,800
Elongation @ Break 500 mm/min (20 in./min)	D 638 Type IV Specimen	600%
Secant Modulus of Elasticity	D 638 Type IV Specimen	12,000 psi

^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

EBAC® resins adhere to and are compatible with a wide range of materials including paper, polyolefins, oriented polyolefins, polyesters, ionomers, PVC, unplasticized PVC and other polar polymers. For use as heat seal layer, adhesive layer, or modifiers for cost/performance enhancement. They are soft, pliable and tough at ambient and freezing temperatures and exhibit excellent ESCR. These polymers exhibit high solids fillability and compatibility with a wide range of polymers. This facilitates their use as bases for all-purpose concentrates. Thermal stability allows processing like LDPE.

FDA

This product has some 21 CFR clearances. Please contact Westlake Product Regulatory Department for statements.

PROCESSING

Processing conditions for EMAC® and EBAC® resins will vary depending on application, fabrication equipment, and other resin use. For assistance with applications and temperature profiles, contact the Westlake Chemical Corporation Technical Services

COMMENTS

Properties reported here are based on limited testing. Westlake makes no representation that the material in any particular shipment will conform exactly to the values given.

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