



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 Department at 903-242-7693.

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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