

Applications

- Blown films
- Flexible packaging
- Asphalt modification
- Impact modification
- Wire and cable

Key Attributes

- Adhesion to & compatibility with various polymers
- Low temperature heat and RF sealing
- Low temperature flexibility and toughness
- Soft & flexible without plasticizers

Product Description

EBAC[®] SP2810 is a 16% EBA copolymer designed for blown film, co-extrusions, and blends where flexibility and strength are important. EBAC[®] 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

Property ^a	Test Method ^b	Typical Value, Units ^c
Butyl Acrylate Content	Westlake	16 weight %
Melt Index	D 1238	1.4 g/10 min
Density	D 1505	924 kg/m ³ (0.924 g/cm ³)
Melting Point by DSC (T _m)	D 3418	95°C (203°F)
Vicat Softening Temperature	D 1525	67°C (153°F)
Brittleness Temperature	D 746	< -73°C (< -99°F)
Durometer Hardness – Shore D Scale	D 2240	41
Tensile Strength @ Break (500 mm/min, 20 in/min)	D 638 Type IV Specimen	10.3 MPa (1,500 psi)
Tensile Stress @ Yield (500 mm/min, 20 in/min)	D638 Type IV Specimen	12.4 MPa (1,800 psi)
Elongation @ Break (500 mm/min, 20 in/min)	D638 Type IV Specimen	600%
Secant Modulus of Elasticity	D638 Type IV Specimen	82.7 MPa (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

Butyl acrylate copolymers are soft, pliable, and tough at ambient and freezing temperatures. They exhibit high solids filling capability and compatibility with a wide range of polymers, facilitating their use as concentrate bases.

Processing

Processing conditions for butyl acrylate copolymer resins vary depending upon application, fabrication equipment, and resin use. These resins are thermally stable and process like LDPE.

Regulatory Compliance

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

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