



EBAC® SP1802

Ethylene Butyl Acrylate Copolymer

Technical Data Sheet

Applications

- Blown Films
- Flexible packaging
- Impact modifier
- Compatibilizer

Key Attributes

- Good adhesion to & compatibility with various polymers
- Low temperature heat and RF sealing
- Soft & flexible without plasticizers
- High molecular weight

Product Description

EBAC® SP1802 is a 22.5% EBA copolymer designed for blown film, tie-layer, and extrusions where flexibility, compatibility, or low heat seal temperatures are required. EBAC® SP1802 provides excellent elasticity and low temperature performance.

Typical Physical Properties

Property ^a	Test Method ^b	Typical Value, Units ^c
Butyl Acrylate Content	Westlake	22.5 weight %
Melt Index (Condition 190°C/2.16 kg)	D 1238	0.5 g/10 min
Density	D 1505	927 kg/m ³ (0.927 g/cm ³)
Vicat Softening Temperature	D 1525	56°C (133°F)
Melting Point by DSC (T _m)	D 3418	87°C (189°F)
Brittleness Temperature	D 746	< -73°C (< -99°F)
Durometer Hardness Shore D Scale	D 2240	40
Tensile Stress @ Break (500 mm/min, 20 in/min)	D 638 Type IV	13 MPa (1,823 psi)
Elongation @ Break (500 mm/min, 20 in/min)	D 638 Type IV	850%

^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 from compression molded specimens prepared according to ASTM D 1928.

Processing

Processing conditions for butyl acrylate copolymer resins vary depending upon application, fabrication equipment, and other 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.

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. 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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