

Applications

- Films – blown and cast
- Impact modifier
- Heat seal layers

Key Attributes

- Adhesion to & compatibility with various polymers
- Low temperature flexibility
- Soft & flexible without plasticizer

Product Description

EBAC+[®] SP1903 is an 18% ethylene butyl acrylate block copolymer designed for blown film, tie-layers, and extrusions where flexibility, compatibility, or low heat seal temperatures are required. SP1903 provides excellent impact modification of CPET trays, PET sheeting, and PET molded bottles.

Typical Physical Properties

Property ^a	Test Method ^b	Typical Value, Units ^c
Butyl Acrylate Content	Westlake	18 weight %
Melt Index (Condition 190°C/2.16 kg)	D 1238	0.45 g/10 min
Density	D 1505	940 kg/m ³ (0.940 g/cm ³)
Melting Point by DSC (T _m)	D 3418	101°C (214°F)
Vicat Softening Point	D 1525	62°C (144°F)
Brittleness Temperature	D 746	< -73°C (< -99°F)
Durometer Hardness – Shore D Scale	D 2240	40
Tensile at Break (500 mm/min, 20 in/min)	D 638 Type IV Specimen	13.8 MPa (2,000 psi)
Elongation at Break (500 mm/min, 20 in/min)	D 638 Type IV Specimen	730%

^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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