

EBAC® SP2810

Ethylene n-Butyl Acrylate Copolymer

Westlake Chemical Corporation

Message:

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.

- 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

General Information			
Features	Low Temperature Flexibility		
	Heat sealable		
	Good heat sealability		
	Good flexibility		
	Good toughness		
	Soft		
Uses	Blown Film		
	Packaging		
	Films		
	Wire and cable applications		
	Asphalt modification		
Agency Ratings	FDA not rated		
Processing Method	Blow film		
	Co-extruded film		
	Co-extrusion molding		
Physical	Nominal Value	Unit	Test Method
Density	0.924	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.4	g/10 min	ASTM D1238
n-Butyl Acrylate Content	16.0	wt%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	45		ASTM D2240

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - Secant ¹	82.7	MPa	ASTM D638
Tensile Strength ²			ASTM D638
Yield	12.4	MPa	ASTM D638
Fracture	10.3	MPa	ASTM D638
Tensile Elongation ³ (Break)	600	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -72.8	°C	ASTM D746
Vicat Softening Temperature	67.2	°C	ASTM D1525
Peak Melting Temperature	96.1	°C	ASTM D3418
NOTE			
1.	Type 4		
2.	Type 4, 510mm/min		
3.	Type 4, 510mm/min		

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