

EBAC® SP1802

Ethylene n-Butyl Acrylate Copolymer

Westlake Chemical Corporation

Message:

EBAC resins adhere to and are compatible with a wide range of materials including paper, polyolefins, oriented polyolefins, polyesters, ionomers, PVdC, unplasticized PVC and other polar polymers. These resins are less crystalline and softer than polyethylenes. They are non-corrosive at extrusion temperatures and have excellent thermal stability over the full processing temperature range.

General Information			
Features	Copolymer		
	Good Adhesion		
	Good Flexibility		
	Good Heat Seal		
	Good Thermal Stability		
	Good Toughness		
	Heat Sealable		
	Low Temperature Toughness		
	Soft		
Uses	Containers		
	Film		
	Medical/Healthcare Applications		
	Packaging		
Forms	Pellets		
Processing Method	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.927	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.50	g/10 min	ASTM D1238
n-Butyl Acrylate Content	22.5	wt%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	40		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break)	13.0	MPa	ASTM D638
Tensile Elongation ² (Break)	850	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -73.0	°C	ASTM D746
Vicat Softening Temperature	59.0	°C	ASTM D1525
Peak Melting Temperature	86.0	°C	ASTM D3418
NOTE			

1.	Type IV, 500 mm/min
2.	Type IV, 500 mm/min

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