

Lotryl® 17BA07N

Ethylene Butyl Acrylate Copolymer

Arkema

Message:

LOTRYL® 17BA07N is a random copolymer of Ethylene and Butyl Acrylate produced by high-pressure radicalar polymerization process.

Applications

LOTRYL® 17BA07N grade thanks to the production process and the continuous quality control is polymer of choice to produce internal and external fully bonded shields for electrical cables. The process ensures unmatched polymer distribution, good carbon black dispersion, high thermal stability during extrusion and along cables use; then it extends the cable service duration. LOTRYL® 17BA07N withstand the more stringent cross-inking conditions.

General Information			
Features	Good Thermal Stability		
	Random Copolymer		
Uses	Wire & Cable Applications		
Processing Method	Blown Film		
	Cast Film		
Physical	Nominal Value	Unit	Test Method
Density	0.930	g/cm ³	ISO 1183, ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	6.2 to 8.3	g/10 min	ASTM D1238, ISO 1133
n-Butyl Acrylate Content	15.0 to 19.0	wt%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	30		ASTM D2240, ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	15.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	700	%	ASTM D638, ISO 527-2
Flexural Modulus	40.0	MPa	ASTM D790, ISO 178
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	58.0	°C	ISO 306/A, ASTM D1525 ¹
Melting Temperature	93.0	°C	ISO 11357-3
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	150 to 170	°C	
Cylinder Zone 2 Temp.	170	°C	
Cylinder Zone 3 Temp.	170	°C	
Cylinder Zone 4 Temp.	170	°C	
Die Temperature	170	°C	
NOTE			
1.	Loading 1 (10 N)		

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