Lotryl® 17BA04

Ethylene Butyl Acrylate Copolymer

Arkema

Message:

LOTRYL® 17BA04 is a random copolymer of Ethylene and Butyl Acrylate produced by high-pressure radicalar polymerization process.
Applications
Due to the butyl acrylate content, LOTRYL® 17BA04 can be used for applications where softness, flexibility and polarity are required. Typical applications are extrusion coating, coextrusion and compounds.
LOTRYL® 17BA04 can be used as tie layer in PP/PE coextrusion, in extrusion coating on many substrates, in compounds formulation and foams. It is also suitable for wires and cables application in HFFR formulations and SIOPLAST cross linkable compounds.

General Information	
Features	Good Flexibility Random Copolymer Soft
Uses	Coating Applications Compounding Foam Tie-Layer Wire & Cable Applications
Processing Method	Coextrusion Compounding Compounding Extrusion Extrusion Coating

Physical	Nominal Value	Unit	Test Method
Density	0.930	g/cm³	ISO 1183, ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.5 to 4.5	g/10 min	ASTM D1238, ISO 1133
n-Butyl Acrylate Content	16.0 to 19.0	wt%	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D, Compression Molded)	32		ASTM D2240, ISO 868
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Break, Compression Molded)	15.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break, Compression Molded)	700	%	ASTM D638, ISO 527-2
Flexural Modulus (Compression Molded)	45.0	MPa	ASTM D790, ISO 178
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	60.0	°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)

Recommended distributors for this material

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