

LOTRYL[®] 30BA02

Ethylene – Butyl Acrylate copolymer

DESCRIPTION

LOTRYL[®] 30BA02 is a random copolymer of Ethylene and Butyl Acrylate produced by high-pressure radical polymerization process.

TYPICAL PROPERTIES

Characteristics	Value	Unit	Test Method
Butyl Acrylate content	28-32	% Wt	FTIR (Internal method)
Melt Index (190°C / 2.16 kg)	1.5-2.5	g/10min	ISO 1133 / ASTM D1238
Density (23°C)	0.93	g/cm ³	ISO 1183 / ASTM1505
Melting point	75	°C	ISO 11357-3
Vicat softening point (10N) ⁽¹⁾	41	°C	ISO 306 / ASTM D1525
Flexural modulus ⁽¹⁾	9	MPa	ISO 178 / ASTM D790
Elongation at break ⁽¹⁾	850	%	ISO 527-2 / ASTM D638
Tensile strength at break ⁽¹⁾	6	MPa	ISO 527-2 / ASTM D638
Hardness Shore A ⁽¹⁾	75	-	ISO 868 / ASTM D2240
Ring & Ball Temperature	<190	°C	ASTM E28

⁽¹⁾ On compression molded samples.

APPLICATIONS

Due to the high butyl acrylate content, LOTRYL[®] 30BA02 can be used for applications where flexibility and polarity are required.

LOTRYL[®] 30BA02 can be used for polymer modification, in compounds formulations and in film applications.

For more detailed information and recommendations regarding your specific application, please contact your local ARKEMA technical representative.

LOTRYL® 30BA02

PROCESSING

LOTRYL® 30BA02 can be processed with standard polyolefin equipment up to 300°C and it is recommended to purge the equipment after a run is completed.

If LOTRYL® 30BA02 is used pure for instance with blown or cast film technology, standard temperature settings could be:

Zone 1	Zone 2	Zone 3	Zone 4	Fittings-Channels	Die
150 - 170°C	170°C	170°C	170°C	170°C	170°C

Final profile and settings depend on the line and multilayer structure being run.

STORAGE, HANDLING AND SAFETY

LOTRYL® 30BA02 should be stored in standard conditions and protected from UV-light. Improper storage conditions may cause degradation and could have consequences on physical properties of the product.

Safety data sheet as well as information on handling and storage of the LOTRYL® 30BA02 is available upon request to your ARKEMA representative or on the web site lotryl.com.

June 2013

The statements, technical information and recommendations contained herein are believed to be accurate as of the date hereof. Since the conditions and methods of use of the product and of the information referred to herein are beyond our control, ARKEMA expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information; NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE CONCERNING THE GOODS DESCRIBED OR THE INFORMATION PROVIDED HEREIN. The information provided herein relates only to the specific product designated and may not be applicable when such product is used in combination with other materials or in any process. The user should thoroughly test any application before commercialization. Nothing contained herein constitutes a license to practice under any patent and it should not be construed as an inducement to infringe any patent and the user is advised to take appropriate steps to be sure that any proposed use of the product will not result in patent infringement.

See MSDS for Health & Safety Considerations