

Ethylene – Butyl Acrylate Copolymer

Description

LOTRYL[®] 28BA175 is a random copolymer of ethylene and butyl acrylate, produced by high-pressure radical polymerization process.

Applications

Due to the high butyl acrylate content, LOTRYL[®] 28BA175 can be used for applications where flexibility and polarity are required. LOTRYL[®] 28BA175 is particularly recommended for the formulation of hot melt adhesives.

Typical properties

Characteristics	Value	Unit	Test Method
Butyl acrylate content	26-30	% Wt	IRTF (internal)
Melt index (190°C / 2.16 kg)	150-200	g/10min	ISO 1133 / ASTM D 1238
Density (23°C)	0.93	g/cm ³	ISO 1183
Melting point	80	°C	DSC (internal)
Vicat softening point (10N)	40	°C	ISO 306 / ASTM D 1525
Tensile modulus	23	MPa	ISO 527 / ASTM D 638
Elongation at break	750	%	ISO 527 / ASTM D 638
Tensile strength at break	3	MPa	ISO 527 / ASTM D 638
Hardness Shore A	80	-	ISO 868 / ASTM D 2240

Processing

LOTRYL[®] 28BA175 can be processed with standard polyolefin equipment up to 300°C and it is recommended to purge the equipment after a run is completed.

Storage, handling and safety

LOTRYL[®] 28BA175 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.

Due to its physical properties (Vicat temperature <40°C), it may be possible that the product shows some caking. This is particularly true during summer time.

Safety data sheet as well as information on handling and storage of the LOTRYL[®] 28BA175 is available upon request to your ARKEMA representative or on the web site www.lotryl.com.

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The world is our inspiration

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