

LOTADER[®] 4613

PROVISIONAL TECHNICAL DATA SHEET

Ethylene – Acrylic Ester - Maleic Anhydride terpolymer

DESCRIPTION

LOTADER[®] 4613 is a random terpolymer of ethylene, acrylic ester and maleic anhydride, polymerized by high-pressure process.

PROPERTIES

Characteristics	Typical Value	Unit	Test Method
Methyl Acrylate content	24.5	% Wt	FTIR (internal method)
Maleic Anhydride content	0.3	% Wt	FTIR (internal method)
Melt Index (190°C / 2.16 kg)	7	g/10min	ISO 1133 / ASTM D1238
Melting point	98	°C	ISO 11357-3
Density	0.95	g/cm ³	ISO 1183 / ASTM D1505
Vicat softening temperature (10N) ⁽¹⁾	41	°C	ISO 306 / ASTM D1525
Flexural modulus ⁽¹⁾	23	MPa	ISO 178 / ASTM D790
Hardness Shore A ⁽¹⁾	81		ISO 868 / ASTM D2240

⁽¹⁾ On compression molded samples.

APPLICATIONS

LOTADER[®] 4613 is an **ultra-versatile** ready-to-use tie layer for extrusion coating and lamination.

LOTADER[®] 4613 provides excellent adhesion in direct bonding onto printed, reverse-printed and plain films (OPET, OPP, CPP, OPA).

LOTADER[®] 4613 is suitable for extrusion coating lamination onto foil, metallized films, paper and board.

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

PROCESSING

Standard polyolefin extrusion equipment can be used for **LOTADER® 4613**.
Recommended temperature range is from 280°C up to 310 – 320°C.

LDPE purge is recommended before extruder shut-down.

STORAGE, HANDLING AND SAFETY

LOTADER® 4613 is usually packed in waterproof bags or rigid containers with waterproof liner. It should be stored in dry conditions and be kept out of moisture in an aerated building. Improper storage conditions may cause degradation and could have consequences on physical properties of the product. It is recommended to reseal the bag or the liner after use to protect **LOTADER® 4613** against moisture.

Safety data sheet as well as information on handling and storage of the **LOTADER® 4613** is available upon request to your ARKEMA representative.

SHELF LIFE

Two years from the date of delivery, in unopened packaging. For any use above this limit, please refer to our technical services.

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Any claim relating to defects or non-compliance of the products shall be valid only if it is sent to Arkema in writing within fifteen (15) calendar days following delivery of the Product.