

OREVAC[®] T 9307 Y

Ethylene – Vinyl Acetate – Maleic Anhydride Terpolymer

DESCRIPTION

OREVAC[®] T 9307 Y is a random terpolymer of ethylene, vinyl acetate and maleic anhydride made by high-pressure radical polymerization process. As an ethylene copolymer, OREVAC[®] T 9307 Y is compatible with PE in all proportions, and with most other ethylene copolymers. Vinyl acetate brings softness, flexibility and polarity, maleic anhydride gives reactivity, leading to versatile adhesive properties to polar and non polar substrates. As a result of high-pressure polymerisation in tubular reactor, OREVAC[®] T 9307 Y exhibits high transparency (low haze).

TYPICAL PROPERTIES

Characteristics	Value	Unit	Test Method
Vinyl Acetate content	13-15	% Wt	FTIR (Internal Method)
Maleic Anhydride content	1600	ppm	FTIR (internal method)
Melt Index (190°C / 2.16 kg)	9.5-11.5	g/10min	ISO 1133 / ASTM D1238
Melting point	93	°C	ISO 11357-3
Density	0.939	g/cm ³	ISO 1183 / ASTM D1505
Vicat softening temperature (10N) ⁽¹⁾	66°C	°C	ISO 306 / ASTM D1525
Ring & Ball temperature	145	°C	ASTM E28
Elongation at break ⁽¹⁾	700-900	%	ISO 527-2 / ASTM D638
Tensile strength at break ⁽¹⁾	19	MPa	ISO 527-2 / ASTM D638
Hardness Shore A ⁽¹⁾ (15s)	91		ISO 868 / ASTM D2240

⁽¹⁾ On compression molded samples (specimens ISO 527-2, 5A type - thickness 2.8 mm - cross head speed 50mm/min)

APPLICATIONS

OREVAC[®] T 9307 Y is suitable to produce thermo-adhesive films for solid substrates like PA, PET & PU films, aluminium foils, fiber mats, foams... OREVAC[®] T 9307 Y can also be used as a skin packaging adhesive on all type of cardboard.

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

OREVAC® T 9307 Y

PROCESSING

OREVAC® T 9307 Y can be processed on most conventional equipments used for thermoplastics. It is recommended to avoid overheating as melt temperature above 230°C and to purge the equipment after a run is completed.

STORAGE, HANDLING AND SAFETY

OREVAC® T 9307 Y should be stored in dry conditions protected from UV-light. Improper storage conditions may cause degradation and have consequences on physical properties of the product.

Safety data sheet as well as information on handling and storage of OREVAC® T 9307 Y is available upon request to your ARKEMA representative or on the web site orevac.com.

SHELF LIFE

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

April 2014

The products described in the brochure are not Medical grades designated for Medical Device applications. Arkema has implemented an internal Medical Policy regarding the use of Arkema products in Medical Devices applications that are in contact with the body or circulating bodily fluids. Arkema has designated Medical grades to be used for such Medical Device applications. Products that have not been designated as Medical grades are not authorized by Arkema for use in Medical Device applications that are in contact with the body or circulating bodily fluids. In addition, except for limited cases as determined by the Medical Device Policy, Arkema strictly prohibits the use of any Arkema products in Medical Device applications that are implanted in the body or in contact with bodily fluids or tissues for greater than 30 days.

For any use of Arkema's product in Medical Device applications, please contact Arkema's sales network.

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