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 radicalar 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/cm³	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.

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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.

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