

# 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 <sup>3</sup> | ISO 1183 / ASTM D1505  |
| Vicat softening temperature (10N) <sup>(1)</sup> | 66°C     | °C                | ISO 306 / ASTM D1525   |
| Ring & Ball temperature                          | 145      | °C                | ASTM E28               |
| Elongation at break <sup>(1)</sup>               | 700-900  | %                 | ISO 527-2 / ASTM D638  |
| Tensile strength at break <sup>(1)</sup>         | 19       | MPa               | ISO 527-2 / ASTM D638  |
| Hardness Shore A <sup>(1)</sup> (15s)            | 91       |                   | ISO 868 / ASTM D2240   |

<sup>(1)</sup> 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](http://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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See MSDS for Health & Safety Considerations

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