

OREVAC[®] 18211

Maleic anhydride grafted Ethylene-Vinyl Acetate copolymer

Description

OREVAC[®] 18211 is maleic anhydride grafted EVA copolymer. It is available in pellet form for use in conventional extrusion and coextrusion equipment designed to process polyethylene (PE) resins.

Applications

OREVAC[®] 18211 provides outstanding adhesion to PS, PE, PA, EVOH. It is typically used in coextrusion of multilayer structures used in flexible or rigid packaging.

Typical characteristics

Characteristics	Value	Unit	Test Method
Melt index (230°C / 2,16 kg)	3.5	g/10mn	ISO 1133
Melting point	75	°C	DSC (internal)
Vicat	51	°C	ISO 306
Density	0.95	g/cm ³	ISO 1183
Strength at yield ⁽¹⁾	5.1	MPa	ISO R 527 / ASTM D 638
Strength at break ⁽¹⁾	29.3		
Elongation at break ⁽¹⁾	550	%	ISO R 527 / ASTM D 638
Hardness shore D	27		ISO 608
Haze	5.2		ASTM D 103
DART test	260	g	ASTM D 1709

⁽¹⁾ Measurement done on samples prepared from compressed molded sheet (speed test 10mm/min.)

Processing

OREVAC[®] 18211 can be processed over a wide range of conditions. We suggest using standard Polyolefin working screw. We recommend not to reach melt temperature above 240°C. Too high processing temperature could lead to degradation of OREVAC and acetic acid formation.

Storage and handling

OREVAC[®] 18211 has to be stocked in dry conditions below 50°C and protected from UV rays. Improper storage conditions can cause degradation and have consequences on physical properties of the product. Shell life is 2 years from the production date.

Security / Precautions of use

A safety data sheet is available close to your correspondent ARKEMA or on the site www.arkema.com under heading FDS.

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