

OREVAC[®] 18380

Maleic anhydride modified Polyethylene

Description

OREVAC[®] 18380 is **anhydride modified polyethylene**. It is available in pellet form for use in conventional extrusion and coextrusion equipment designed to process polyethylene (PE) resins.

Main application

OREVAC[®] 18380 provides outstanding adhesion to PE, EVOH and PA. It is typically used as tie-layer in multilayer structures. It is mainly used in flexible packaging for the production of multilayer barrier films.

Main characteristics

Characteristics	Value	Unit	Test Method
Melt flow index (190 °C – 2.16kg)	4	g/10min	ISO 1133 / ASTM D 1238
Density at 23 °C	0.911	kg/m ³	ISO 1183 / ASTM D 1505
Melting Temperature	120	°C	ARKEMA (DSC)
Vicat	83	°C	ISO 306

Processing

OREVAC® 18380 can be processed over a wide range of conditions.

We suggest using standard Polyolefin working screw.

Conditions typically used in coextrusion with PE and EVOH for the production of cast film :

A standard temperature setting profile would be :

Extruder 210 – 220 – 230 – 230 – 230 °C

Adapter pipe 230 °C

Feed-block 240 °C

Die 240 °C

Final profile and settings depend on the line and the multilayer structure being run.

Storage

OREVAC® 18380 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.

Precautions of use

A safety data sheet as well as information on handling and storage of the **OREVAC® 18380** are available near your correspondent ARKEMA or on the site <http://www.arkema.com/> .

July 2006

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