

OREVAC[®] 18365-S

Grafted maleic anhydride polyethylene

Description

OREVAC 18365-S is a grafted maleic anhydride polyethylene used in the manufacturing of multilayer oxygen barrier tube.

Main application

OREVAC 18365-S is mainly used in multi-layer tube to have good adhesion between PEX, PE, PA and EVOH. **OREVAC 18365-S** combined with SOARNOL[®] from NIPPON GOSHEI provides very good oxygen barrier. These tubes are used in plumbing, sanitary, heating floor and also industrial applications.

Main characteristics

Characteristics	Value	Unit	Test Method
Melt flow index (190°C – 2.16g)	2.5	g/10min	ISO 1133 / ASTM D 1238
Melting point	121	°C	ARKEMA (DSC)
Density at 23°C	0.916	kg/m ³	ISO 1183 / ASTM D 1505
Vicat softening point (1 kg)	92	°C	ISO 306 / ASTM D 1525
Elongation at break	930	%	ISO R 527 / ASTM D 638
Strength at break	24	MPa	ISO R 527 / ASTM D 638
Strength at yield	6.5	MPa	ISO R 527 / ASTM D 638
Hardness Shore D	45	-	ISO 868

Processing

OREVAC 18365-S is transformed and applied by 3 or 5 layers coextrusion. Extrusion conditions depend on the equipment and on the line configuration.

Zone 1	Zone 2	Zone 3	Zone 4	Exit	Fittings-Channels	Die
160 – 180	180 - 200	200 - 220	210 - 230	215 - 230	220 -230	220 - 240

Storage

OREVAC 18365-S must 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 18365-S** are available near your correspondent ARKEMA or on the site www.arkemagroup.com.

May 2005

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Technical Polymers Division
4/8, cours Michelet – La Défense 10
92800 Puteaux - France
www.arkemagroup.com

www.orevac.com