

OREVAC[®] 18334

Grafted maleic anhydride polyethylene

Description

OREVAC 18334 is a grafted maleic anhydride polyethylene used in the manufacturing of multilayer oxygen barrier bottle.

Main applications

OREVAC 18334 is mainly used in multi-layer bottle and tank to have good adhesion between PEHD, PA and EVOH. OREVAC 18334 combined with SOARNOL[®] from NIPPON GOSHEI provides very good oxygen barrier. These structures are used in milky products conditionings, fuel tanks and also industrial applications.

Main characteristics

Characteristics	Value	Unit	Test Method
Melt flow index (190°C – 2.16kg)	1	g/10min	ISO 1133 / ASTM D 1238
Melting point	125	°C	ARKEMA (DSC)
Density at 23°C	920	kg/m ³	ISO 1183 / ASTM D 1505
Vicat softening point (1 kg)	95	°C	ISO 306 / ASTM D 1525
Elongation at break	760	%	ISO R 527 / ASTM D 638
Strength at break	30	MPa	ISO R 527 / ASTM D 638
Strength at yield	4.5	MPa	ISO R 527 / ASTM D 638
Hardness Shore D	45	-	ISO 868

Measurements are taken on test-samples cut out in plates molded by compression (speed of traction 100mm/min)

Processing

OREVAC 18334 is easy processed

Storage

OREVAC 18334 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 18334 are available near your correspondent ARKEMA or on the site www.arkemagroup.com under heading FDS under N° 01001.

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