

OREVAC[®] CA 100

Maleic anhydride grafted Polypropylene

Description

OREVAC[®] CA 100 is a chemically functionalized polypropylene with a high content of maleic anhydride. Grafting on polypropylene backbone is achieved with a processing technology which allows to optimize the compromise between chain breakdown and grafting efficiency.

Grafted maleic anhydride induces polarity to polypropylene and so outstanding adhesion properties on glass and natural fibers, and mineral fillers.

Main application

OREVAC[®] CA 100 has been specially developed as coupling agent between PP and glass fiber, PP and mineral filler and PP and natural fibers.

Main characteristics

Characteristics	Value	Unit	Test Method
Melt flow index (190°C – 0.325kg)	10	g/10min	ISO 1133 / ASTM D 1238
Melting point	167	°C	ARKEMA (DSC)
Vicat point	147	°C	ISO 306 (10 N)
Flexural Modulus	880	MPa	ISO 178
Strength at yield	22	MPa	ISO 527-2
Strength at break	22	MPa	ISO 527-2
Elongation at break	12	%	ISO 527-2

Processing

OREVAC[®] CA 100 can be processed over a wide range of conditions. We suggest using standard Polyolefin working screw. Compounding can be achieved on conventional equipments such as monoscrews, twinscrews or kokneaders with usual temperatures.

Storage

OREVAC[®] CA 100 is supplied in pellet in 25 kg bags and should be stored in dry conditions.