

## Polypropylene based coupling agent

### Description

OREVAC® CA100 is a chemically functionalized polypropylene with a high content of maleic anhydride. Grafted maleic anhydride induces polarity to polypropylene and so outstanding adhesion properties on glass and natural fibers, and mineral fillers.

### Applications

OREVAC® CA100 has been designed as coupling agent to develop a reliable bonding strength between PP or PA resins and glass fiber, mineral filler or natural fibers.

For more detailed information and recommendations regarding your specific application, please contact your local ARKEMA technical representative.

### Typical properties

Characteristics	Value	Unit	Test Method
Melt index (230°C / 0.225 kg)	10	g/10min	ISO 1133 / ASTM D1238
Melting point	167	°C	ISO 11357-3
Density	0.905	g/cm <sup>3</sup>	ISO 1183 / ASTM D1505
Vicat softening temperature (10N) <sup>(1)</sup>	147	°C	ISO 306 / ASTM D1525
Flexural Modulus <sup>(1)</sup>	880	MPa	ISO 178 / ASTM D790
Strength at yield <sup>(1)</sup>	22	MPa	ISO 527-2 / ASTM D638
Strength at break <sup>(1)</sup>	22	MPa	ISO 527-2 / ASTM D638
Elongation at break <sup>(1)</sup>	12	%	ISO 527-2 / ASTM D638

<sup>(1)</sup> On compression molded samples.

### Processing

OREVAC® CA100 can be processed over a wide range of conditions. Compounding can be achieved on conventional equipments such as mono-screw, twin-screw or co-kneader with usual temperatures.

### Storage, handling and safety

OREVAC® CA100 should be stored in dry conditions protected from UV-light. Improper storage conditions may cause degradation and have consequences on physical properties of the product.

Safety data sheet as well as information on handling and storage of OREVAC® CA100 is available upon request to your ARKEMA representative or at [www.orevac.com](http://www.orevac.com).

September 2010

The information contained in this document is based on trials carried out by our Research Centers and data selected from the literature, but shall in no event be held to constitute or imply any warranty, undertaking, express or implied commitment from our part. Our formal specifications define the limit of our commitment. No liability whatsoever can be accepted by Arkema with regard to the handling, processing or use of the products concerned which must in all cases be employed in accordance with all relevant laws and/or regulations in force in the country or countries concerned.



The world is our inspiration  
Technical Polymers Division  
420, rue d'Estiennes D'Orves  
92705 Colombes Cedex - FRANCE  
[www.arkema.com](http://www.arkema.com)

[www.orevac.com](http://www.orevac.com)