

# OREVAC<sup>®</sup> CA100

## Polypropylene based coupling agent

### DESCRIPTION

OREVAC<sup>®</sup> 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.

### TYPICAL PROPERTIES

Characteristics	Value	Unit	Test Method
Melt index (190°C / 0.325 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

### APPLICATIONS

OREVAC<sup>®</sup> 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.

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## PROCESSING

OREVAC<sup>®</sup> 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<sup>®</sup> 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<sup>®</sup> CA100 is available upon request to your ARKEMA representative or at [orevac.com](http://orevac.com)

## SHELF LIFE

Two years from the date of delivery, in unopened packaging. For any use above this limit, please refer to our technical services.

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