

Orevac® CA100

Polypropylene Copolymer

Arkema

Message:

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.

General Information			
Features	Good Adhesion		
Uses	Adhesives		
	Plastics Modification		
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm ³	ISO 1183, ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/0.325 kg)	10	g/10 min	ASTM D1238, ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638, ISO 527-2
Yield, Compression Molded	22.0	MPa	
Break, Compression Molded	22.0	MPa	
Tensile Elongation (Break, Compression Molded)	12	%	ASTM D638, ISO 527-2
Flexural Modulus (Compression Molded)	880	MPa	ASTM D790, ISO 178
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	147	°C	ISO 306/A, ASTM D1525 ¹
Melting Temperature	167	°C	ISO 11357-3
NOTE			
1.	Loading 1 (10 N)		

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