

# Melting

Thermoplastic smelting resins



## Smelting resins for high performance

BECTRON® MR 34xx is a family of resins that melt at high temperatures and that have been developed especially with the fast and simple protection of electronic parts in mind. These resins are solvent-free and thus also VOC-free. They exhibit high resistance to moisture and have better adhesion properties than standard polyamide-based smelting resins.

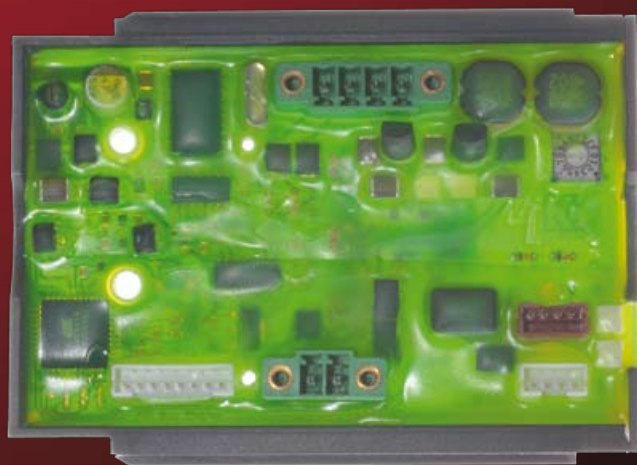
BECTRON® MR 34 resins are soft and flexible and can be used at temperatures ranging from -40°C to +90°C.

The outstanding features of these resins include excellent electrical insulating properties and very good adhesion to a large number of substrates. Their good chemical stability protects against acids and alkalines including polar solvents and against the formation of fungi. However, they exhibit only low resistance to aliphatic, aromatic and chlorinated hydrocarbons.

Thermoplastic resins can be applied quite simply with a heat gun or heated dispenser.

The resins can be cast at temperatures of more than 150 °C, recrystallisation begins if the temperature drops to below 100 °C. They are ideally suited for applications involving large runs with short processing times.

BECTRON® MR 34xx products have very good electrical properties and are ideal for a wide range of applications in the electronics field. Applications include protection of electronic assemblies and hybrids against moisture, aggressive environments and vibration. Another possible application is the sealing or fixing of components.



**Werner Wirth Systems GmbH**  
Hellgrundweg 111  
22525 Hamburg  
Germany

Tel +49 (0)40 878 86 89-0  
Fax +49 (0)40 878 86 89-26

systems@wernerwirth.de  
www.ww-systems.de