



ASKOBOND HM PO 400 UV

Thermoplastic hotmelt adhesive for cores and molds made from sand.

Product Properties

Polyolefin

ASKOBOND HM PO 400 UV is a special hotmelt adhesive for cores and molds in foundry operation. The adhesive offers long working time, good adhesive power in hot condition, high heat resistance and superior anti-oxidation and color stability in the melt. ASKOBOND HM PO 400 is suitable for gluing cores made with the cold box, resol-CO2 and shell sand methods but can also be used for gluing firebricks. The material contains a UV marker for the detection of the adhesive by means of optical inspection systems. For the processing of hot-melt adhesives, we can simultaneously recommend processing equipment in the form of automatic systems and hand guns, which are adapted to the respective application and the scope of the bonding. The processing temperature should be 180-200° C. The minimum temperature of the materials and the environment should not fall below 18°C. The processing time is 10 - 20 seconds, depending on the temperature of the environment and the substrate..

Analytical values

- Viscosity at 180°C (mPas): ~ 1.200-3.000 (Brookfield RVTD / spindle 27 / 100 RPM)
- Density (g/cm³): ~ 0,96
- Softening range (°C): ~ 135 (KOFLEK bench heater)
- Melting point[°C]: 148-158 (ring & ball)
- Color: Colorless

Storage & Handling

Product Storage: 12 months if stored dry between 10 and 30°C.

Packaging: 12kg blocks (0.5kg each, dimensions 8x8x8 cm) packed in carton

Handling of ASKOBOND HM PO 400 UV

Please refer to paragraph # 7 "Handling and Storage" in Safety Data Sheet.

Labelling: Please refer to the Safety Data Sheet