



In-Mould-Labels Diobond

Composition

Base material	Highly filled synthetic substrate comprised of polyolefins, amorphous, precipitated silica and air
Surface	UV-resistant varnish protection

Performance

Environment temperature range	-20 °C ... +80 °C
Tool operating temperature	approx. 250 °C
Moisture resistance	Excellent
Chemical resistance	Very good. Suitable for use where exposed to detergents, lubricating oil, some chemicals and solvents
Abrasion resistance	Excellent
High pressure spray	An injection-moulded label has been pressure washed at 10 bars with water and a 2 % solution of Teepol at temperatures of 30 and 70 °C. After 50 cycles the label surface was not affected and no ingress was found into or under the label.
Resistance to UV/fading	The product has been tested to 1'000 hours in a Xenon 1200 machine to DIN 53387. There was no evidence of cracking or crazing of the label surface and the bar code was fully readable
Materials suitable for use	PE, PP, ABS, PS, Nylon, Polycarbonate. Possibly others, depending on viscosity.

Applications

- Sequential numbers required on plastic containers
- Permanent identification of returnable containers
- Bar codes required in either static or unique numbers
- Labeling of containers during injection moulding process

Safety information

No known health hazards associated with the product itself. The product is not biodegradable, and should be disposed of subject to local regulations concerning polyolefin products