



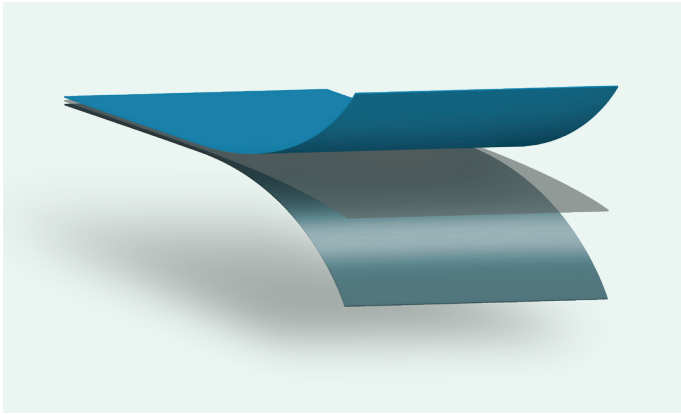
Polyurethane dispersion compostable under
controlled aerobic conditions

Dispercoll®

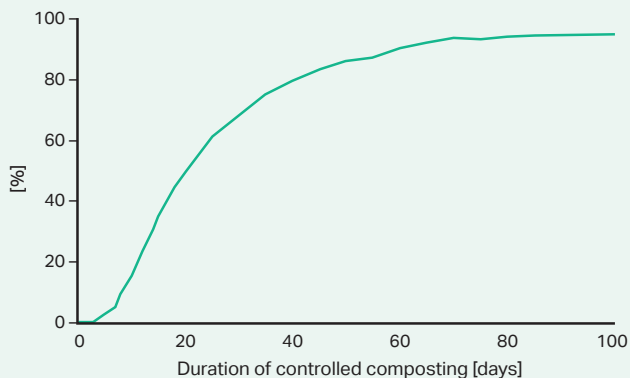


Dispercoll U 2682

Ideal for formulating compostable adhesives



Aerobic biodegradation under controlled composting conditions at incubation temperature 58°C ± 2°C



Dispercoll® U 2682 is a waterborne dispersion of an anionically modified polyurethane for application in compostable flexible lamination adhesives. Dispercoll® U 2682 shows a high degradation rate under controlled aerobic conditions, as described in DIN EN 13432 and ASTM D 6400-04.

To comply with those industry standards, adhesive manufacturers have to demonstrate the compostability of the final formulated adhesive polymer.

Dispercoll® U 2682 – how you benefit:

- Suitable for laminates that are potentially composted under controlled environment according to common industry standards
- Dry lamination possible at low temperatures
- Allows for very good bonding strength
- Can be used for food packaging
- Complies with relevant food contact regulations such as FDA 21CFR175.105

Resistance to heat and to plasticizers, fats and oils can be enhanced by the addition of 2–5% by wt. of a water-emulsible crosslinker from the Desmodur® or Bayhydur® product lines.

Property	Value	Method
Non-volatile content (1g/1 h/125°C)	49–51%	DIN EN ISO 3251
Viscosity at 23°C	< 1,000 mPa · s	DIN 53019
pH value	6.0–9.0	DIN ISO 976



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