

## DYNACOLL® Terra 7550

### Preliminary

10.23

#### General description

Solid, amorphous and saturated polyester polyol made of min. 30 % renewable materials.

#### Application

Manufacturing of bio-based reactive hot melt adhesives with fast setting behavior.

#### Specification

Property	Value	Unit	Test method
Hydroxyl number	45 – 55	mg KOH/g	DIN EN ISO 4629-2
Acid number	max. 3	mg KOH/g	DIN EN ISO 2114

#### Typical data

Molecular weight	2.200	-	Calculated
Glass transition temperature	50	°C	DSC
Softening point (R + B)	95	°C	DIN ISO 4625
Viscosity at 130 °C	15	Pa s	DIN EN ISO 3219

#### Compatibility with other DYNACOLL® polyesters (1:1 blends)

Transparent:	7110, 7111, 7130, 7131, 7140, 7150, 7210, 7230, 7231, 7250, 7255, 7320, 7330, 7340, 7360, 7361, 7363, 7365, 7381, 7390 Terra 7540, 7640, 7750, EP 413.01, 413.02, 424.02
Cloudy:	-
Opaque:	-
Phase Separation:	7380

#### Form supplied

200 kg drums.

## Storage Stability

When stored below 30 °C in closed containers the product remains stable for at least one year from delivery. In case of open or improperly closed containers, there is a possibility of increased moisture from the atmosphere.

## Safety and Handling

Please refer to our Material Safety Data Sheet.

### Reactive Hot Melt Typical data

Reaction product from DYNACOLL® Terra 7550 with 4,4-MDI (diphenylmethane-4,4'-diisocyanate) in a ratio OH/NCO = 1/2.2

Property	Value	Unit	Test method
Softening point (R + B)	100	°C	DIN ISO 4625
Open time	1	s	Evonik internal method
Setting time	1	s	Evonik internal method
Viscosity at 130 °C	40	Pa s	Parallel plate
Tensile strength	-	N/mm <sup>2</sup>	DIN 53 504
Elongation at break	brittle	%	DIN 53 504

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