

## DYNACOLL® Terra 7540

### preliminary

01.21

#### General discription

Solid, amorphous and saturated polyester polyol made of min. 35 % b.w. renewable materials.

#### Application

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

#### Specification

Property	Value	Unit	Test method
Hydroxyl number	36 – 45	mg KOH/g	DIN EN ISO 4629-2
Acid number	max. 2	mg KOH/g	DIN EN ISO 2114

#### Typical data

Molecular weight	2800	-	calculated from Hydroxyl number
Glass transition temperature	35	°C	DSC
Softening point (R + B)	85	°C	DIN ISO 4625
Viscosity at 130 °C	15	Pa s	DIN EN ISO 3219

#### Compatibility with other DYNACOLL copolyesters (1:1 blends)

Transparent:	7110, 7130, 7131, 7140, 7150, 7210, 7230, 7231, 7250, 7255, 7310, 7320, 7330, 7340, 7360, 7363, 7365, 7390, Terra 7530, EP 413.04, EP 424.02, EP 481.01
Cloudy:	Terra EP 413.02
Opaque:	
Phase Separation:	7111, 7380, 7381 Terra 7640

#### 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.

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### Reactive Hot Melt Typical data

Reaction product from DYNACOLL *Terra* 7540 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	60	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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