

DYNACOLL® Terra 7750

preliminary

03.21

General discription

Solid, crystalline and saturated polyester polyol made of 100 % b.w. renewable materials.

Application

Manufacturing of biobased reactive hot melt adhesives with moderately setting behaviour.

Specification

Property	Value	Unit	Test method
Hydroxyl number	27 – 34	mg KOH/g	DIN EN ISO 4629-2
Acid number	max. 2	mg KOH/g	DIN EN ISO 2114

Typical data

Molecular weight	3500	-	calculated from Hydroxyl number
Melting point	55	°C	DSC
Softening point (R + B)	65	°C	DIN ISO 4625
Viscosity at 80 °C	2	Pa s	DIN EN ISO 3219

Compatibility with other DYNACOLL copolyesters (1:1 blends)

Transparent:	7110, 7130, 7131, 7150, 7230, 7231, 7250, 7255, 7320, 7340, 7360, 7361, 7365, 7380 Terra 7540, 7640, EP 413.04, EP 424.02
Cloudy:	7330, 7363, 7381, 7390
Opaque:	7111 Terra EP 413.02
Phase Separation:	7140, 7210 Terra 7530

Form supplied

190 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 7750* 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)	65	°C	DIN ISO 4625
Open time	15	min	Evonik internal method
Setting time	5	min	Evonik internal method
Viscosity at 130 °C	4	Pa s	Parallel plate
Tensile strength	20	N/mm ²	DIN 53 504
Elongation at break	450	%	DIN 53 504

Evonik Operations GmbH
Paul-Baumann-Str. 1
45764 Marl
Germany
PHONE +49 2365 49-02
FAX +49 2365 49-5030

Evonik Corporation
Resource Efficiency
299 Jefferson Road
Parsippany, NJ 07054-0677, USA
PHONE +1 973 929-8000
FAX +1 973 929-8460

**Evonik Specialty Chemicals
(Shanghai) Co., Ltd.**
55, Chundong Road
Xinzhuang Industry Park
Shanghai, 201108, PR China
PHONE +86 21 6119-1028
FAX +86 21 6119-1254

Email adhesives@evonik.com
www.evonik.com/adhesives-sealants
www.evonik.com/designed-polymers

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