

## DYNACOLL® 7140

43.13.639e / 03.17

### Chemical composition

Solid, saturated, amorphous copolyester.

### Application

Manufacturing of reactive hot melt adhesives with fast setting properties.

### Specification

Property	Value	Unit	Test method
Hydroxyl number	18 – 24	mg KOH/g	DIN EN ISO 4629-2
Acid number	max. 2	mg KOH/g	DIN EN ISO 2114

### Typical data

Molecular weight	5500	-	from Hydroxyl number
Softening point (R + B)	87	°C	DIN ISO 4625
Glass transition temperature	30	°C	DSC
Open time	5	s	Evonik internal method
Viscosity at 130 °C	50	Pa s	Parallel plate

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

Transparent:	7130, 7131, 7150, 7230, 7231, 7320, 7321, 7331, 7340, 7360
Cloudy:	-
Opaque:	7390
Phase separation:	7110, 7111, 7210, 7250, 7255, 7330, 7361, 7365, 7380, 7381

### Form supplied

30 kg cans and 200 kg drums.

## Storage Stability

When stored below 30 °C in closed containers the product remains stable for at least one year. In case of open or improperly closed containers, there is 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 7140 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)	102	°C	DIN ISO 4625
Open time	1	s	Evonik internal method
Setting time	<1	s	Evonik internal method
Viscosity at 130 °C	700	Pa s	Parallel plate
Tensile strength	-	N/mm <sup>2</sup>	DIN 53 504
Elongation at break	brittle	%	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 Degussa (China) Co. Ltd.**  
Resource Efficiency  
55 Chundong Rd., Xinzhuang Ind. Park  
Shanghai 201108, P.R. China  
PHONE +86 21 61191-027  
FAX +86 21 61191-254

Email [adhesives@evonik.com](mailto:adhesives@evonik.com)  
[www.evonik.com/adhesives-sealants](http://www.evonik.com/adhesives-sealants)  
[www.evonik.com/designed-polymers](http://www.evonik.com/designed-polymers)

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