

## DYNACOLL® 7231

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### Chemical composition

Liquid, saturated copolyester.

### Application

Manufacturing of reactive hot melt adhesives with low melt viscosity and high flexibility.

### 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	-	(from Hydroxyl number)
Softening point (R + B)	-	°C	DIN ISO 4625
Glass transition temperature	-30	°C	DSC
Open time	-	s	Evonik internal method
Viscosity at 80 °C	8	Pa s	Parallel plate

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

Transparent: 7110, 7111, 7130, 7131, 7140, 7150, 7210, 7230, 7250, 7255, 7320, 7321, 7331, 7340, 7360, 7361, 7365, 7390

Cloudy: -

Opaque: -

Phase separation: 7330, 7380, 7381

### Form supplied

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 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 7231 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)	-	°C	DIN ISO 4625
Open time	several hours	s	Evonik internal method
Setting time	several hours	s	Evonik internal method
Viscosity at 130 °C	8	Pa s	Parallel plate
Tensile strength	15	N/mm <sup>2</sup>	DIN 53 504
Elongation at break	900	%	DIN 53 504

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