

## DYNACOLL® 7390

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### Chemical composition

Solid, highly crystalline, saturated copolyester.

### Application

Manufacturing of reactive hot melt adhesives with high melting point and fast setting properties.

### Specification

Property	Value	Unit	Test method
Hydroxyl number	27 – 34	mg KOH/g	DIN EN ISO 4629-2
Acid number	max. 3	mg KOH/g	DIN EN ISO 2114

### Typical data

Molecular weight	3500	-	from Hydroxyl number
Softening point (R + B)	118	°C	DIN ISO 4625
Melting point	115	°C	DSC
Open time	20	s	Evonik method
Viscosity at 130 °C	0.7	Pa s	Parallel plate

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

Transparent: 7110, 7111, 7131, 7210, 7230, 7231, 7250

Cloudy: -

Opaque: 7140, 7321, 7331, 7340

Phase separation: 7130, 7150, 7255, 7320, 7330, 7360, 7361, 7362, 7363, 7365, 7380, 7381

### Form supplied

25 kg cans or 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 7390 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)	118	°C	DIN ISO 4625
Open time	20	s	Evonik method
Setting time	10	s	Evonik method
Viscosity at 130 °C	4	Pa s	Parallel plate
Tensile strength	30	N/mm <sup>2</sup>	DIN 53 504
Elongation at break	10	%	DIN 53 504

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