

DYNACOLL® 7250

43.13.645e / 03.17

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	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	-	calculated from Hydroxyl number
Softening point (R + B)	-	°C	DIN ISO 4625
Glass transition temperature	-50	°C	DSC
Open time	-	s	Evonik internal method
Viscosity at 80 °C	5	Pa s	Parallel plate

Compatibility with other DYNACOLL copolyesters (1:1 blends)

Transparent: 7110, 7111, 7130, 7131, 7150, 7210, 7230, 7231, 7255, 7320, 7330, 7360, 7361, 7365, 7390

Cloudy:

Opaque:

Phase separation: 7140, 7321, 7331, 7340, 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 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 7250 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	9	Pa s	Parallel plate
Tensile strength	15	N/mm ²	DIN 53 504
Elongation at break	1500	%	DIN 53 504

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Replaces leaflet 43.13.645e / 09.06 and all former issues
Marl, March 24, 2017

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