

DYNACOLL® 7150

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Chemical composition

Solid, saturated, amorphous copolyester with high glass transition temperature.

Application

Manufacturing of reactive hot melt adhesives with fast setting properties.

Specification

Property	Value	Unit	Test method
Hydroxyl number	38 – 46	mg KOH/g	DIN EN ISO 4629-2
Acid number	max. 2	mg KOH/g	DIN EN ISO 2114

Typical data

Molecular weight	2600	-	from Hydroxyl number
Softening point (R + B)	95	°C	DIN ISO 4625
Glass transition temperature	50	°C	DSC
Open time	1	s	Evonik internal method
Viscosity at 130 °C	60	Pa s	Parallel plate

Compatibility with other DYNACOLL copolyesters (1:1 blends)

Transparent: 7130, 7131, 7140, 7210, 7230, 7231, 7250, 7255, 7320, 7321, 7330, 7331, 7340, 7360, 7361, 7365

Cloudy: 7110

Opaque: 7111

Phase separation: 7380, 7381, 7390

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 7150 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)	105	°C	DIN ISO 4625
Open time	<1	s	Evonik internal method
Setting time	<1	s	Evonik internal method
Viscosity at 130 °C	400	Pa s	Parallel plate
Tensile strength	-	N/mm ²	DIN 53 504
Elongation at break	brittle	%	DIN 53 504

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