

DYNACOLL® 7110

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Chemical composition

Solid, saturated, amorphous copolyester.

Application

Manufacturing of reactive hot melt adhesives with low melt viscosity.

Specification

Property	Value	Unit	Test method
Hydroxyl number	50 - 60	mg KOH/g	DIN EN ISO 4629-2
Acid number	8 - 12	mg KOH/g	DIN EN ISO 2114

Typical data

Molecular weight	2000	-	from Hydroxyl number
Softening point (R + B)	55	°C	DIN ISO 4625
Glass transition temperature	10	°C	DSC
Open time	tacky	s	Evonik internal method
Viscosity at 130 °C	1	Pa s	Parallel plate

Compatibility with other DYNACOLL copolyesters (1:1 blends)

Transparent:	7111, 7130, 7131, 7210, 7230, 7231, 7250, 7255, 7320, 7330, 7360, 7361, 7365, 7390
Cloudy:	7150
Opaque:	-
Phase separation:	7140, 7321, 7331, 7340, 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 7110 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)	64	°C	DIN ISO 4625
Open time	10	s	Evonik internal method
Setting time	1	s	Evonik internal method
Viscosity at 130 °C	3	Pa s	Parallel plate
Tensile strength	-	N/mm ²	DIN 53 504
Elongation at break	brittle	%	DIN 53 504

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