

DYNACOLL® 7111

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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	27 – 34	mg KOH/g	DIN 53 240-2
Acid number	max. 4	mg KOH/g	DIN EN ISO 2114

Typical data

Molecular weight	3500	-	from Hydroxyl number
Softening point (R + B)	61	°C	DIN ISO 4625
Glass transition temperature	20	°C	DSC
Open time	15	s	Degussa method
Viscosity at 130 °C	3	Pa s	Parallel plate

Compatibility with other DYNACOLL copolyesters (1:1 blends)

Transparent: 7110, 7130, 7131, 7210, 7230, 7231, 7250, 7320, 7360, 7361, 7365, 7390

Cloudy: -

Opaque: 7150

Phase separation: 7140, 7220, 7321, 7330, 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 7111 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)	71	°C	DIN ISO 4625
Open time	6	s	Degussa method
Setting time	1	s	Degussa method
Viscosity at 130 °C	13	Pa s	Parallel plate
Tensile strength	-	N/mm ²	DIN 53 455
Elongation at break	brittle	%	DIN 53 455

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