

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

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 ²	DIN 53 504
Elongation at break	10	%	DIN 53 504

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