

DYNACOLL® 7490

07.19

Chemical composition

Solid, highly crystalline, saturated copolyester.

Application

Manufacturing of reactive hot melt adhesives with very fast setting properties.

Specification

Property	Value	Unit	Test method
Hydroxyl number	27 – 34	mg KOH/g	DIN EN ISO 4629-2
Acid number	max. 2	mg KOH/g	DIN EN ISO 2114

Typical data

Molecular weight	3500	-	Calculated
Melting point	90	°C	DSC
Softening point (R + B)	95	°C	DIN ISO 4625
Open time	5	s	Evonik method
Viscosity at 130 °C	0.5	Pa s	Parallel plate

Compatibility with other DYNACOLL copolyesters (1:1 blends)

Transparent:	7255, 7330, 7331, 7340, 7360, 7361, 7362, 7363, 7365, 7380, 7381
Cloudy:	-
Opaque:	-
Phase separation:	7110, 7130, 7131, 7140, 7150, 7210, 7230, 7231, 7250, 7320, 7321, 7390

Form supplied

190 kg drums.

Storage Stability

When stored below 30 °C in closed containers the product remains stable for at least 6 months from delivery. 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 7490 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)	90	°C	DIN ISO 4625
Open time	10	s	Evonik method
Setting time	1	s	Evonik method
Viscosity at 130 °C	4	Pa s	Parallel plate
Tensile strength	30	N/mm ²	DIN 53 455
Elongation at break	10	%	DIN 53 455

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