

DYNACOLL® S 1401

45.13.064e / 05.11

General Description

Saturated, linear copolyester, slightly crystalline.

Application

Solvent based adhesives and thermoplastic hot melts, e.g. for profile wrapping and laminating applications.

Supply Form / Packaging

Granules in 20 kg paper-bags.

Specification

Property	Value	Unit	Test method
Viscosity number	75 - 85	cm ³ /g	DIN 53 728
Melting point (optical)	80 - 95	°C	Mettler FP 82
Acid number	≤ 3	mg KOH/g	DIN EN ISO 2114
Hydroxyl number	4 - 10	mg KOH/g	DIN 53 240-2

Typical data

Glass transition temperature (DSC) ¹⁾	-25	°C	DIN 53 765
Softening point (Ring & Ball)	97	°C	ISO 4625
Melt flow rate 160 °C (MFR)	110	g/10 min	DIN ISO 1133 (21.6 N)
Melt viscosity 160 °C	80	Pa s	(Plate/Plate)
Open time	15	s	Degussa-method
Tensile strength	5	N/mm ²	DIN EN ISO 527-1/3
Density	1.2	g/cm ³	DIN 53 479

¹⁾ Differential scanning calorimetry

Solubility

Soluble in chlorinated hydrocarbons, soluble in aromatics and toluene/MEK mixture.

Others

After application it is possible that the surface remains tacky, after crystallisation at approx. 50 °C the surface is non-blocking.

Storage Stability

Excluding sunlight and humidity S 1401 is stable at storage temperatures below 25 °C for at least 12 months.

Safety and Handling

Please refer to our Safety Data Sheet.

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