

DYNACOLL® S 1611

45.13.098e / 05.11

General Description

Saturated, linear copolyester, amorphous.

Application

Solvent based adhesives and thermoplastic hot melts for metal and plastic lamination.

Supply Form / Packaging

Granules in 25 kg paper-bags.

Specification

Property	Value	Unit	Test method
Viscosity number	57 - 65	cm ³ /g	DIN 53 728
Acid number	≤ 3	mg KOH/g	DIN EN ISO 2114
Hydroxyl number	≥ 2	mg KOH/g	DIN 53 240-2

Typical data

Glass transition temperature (DSC) ¹⁾	50	°C	DIN 53 765
Softening point (Ring & Ball)	130	°C	DIN ISO 4625
elt flow rate 190 °C (MFR)	65	g/10 min	DIN ISO 1133 (21.6 N)
Melt viscosity 200 °C	70	Pa s	(Plate/Plate)
Open time	10	s	Degussa-method
Tensile strength	20	N/mm ²	DIN EN ISO 527-1/3
Density	1.2	g/cm ³	DIN 53 479

¹⁾ Differential scanning calorimetry

Solubility

Good solubility in esters and ketones, blends with aromatics are possible.

Storage Stability

Excluding sunlight and humidity S 1611 is stable at storage temperatures below 25 °C for at least 12 months.

Safety and Handling

Please refer to our Safety Data Sheet.

Evonik Resource Efficiency GmbH	Evonik Corporation	Evonik Degussa (China) Co. Ltd.
Paul-Baumann-Str. 1	Resource Efficiency	Resource Efficiency
45764 Marl	299 Jefferson Road	55 Chundong Rd., Xinzhuang Ind. Park
Germany	Parsippany, NJ 07054-0677, USA	Shanghai 201108, P.R. China
PHONE +49 2365 49-02	PHONE +1 973 929-8000	PHONE +86 21 61191-027
FAX +49 2365 49-5030	FAX +1 973 929-8460	FAX +86 21 61191-254

Email adhesives@evonik.com
www.evonik.com/adhesives-sealants
www.evonik.com/designed-polymers

Marl, May 27, 2011

DYNACOLL[®] is a registered trademark of Evonik Industries AG or one of its subsidiaries

This information and all further technical advice are based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.