DANPOL®

Copolyester for Adhesives — Technical Information

TECHNICAL PROPERTIES – PRODUCT OVERVIEW

Type DANPOL	Delivery form	Crystallization rate	Softening range (R&B) [°C]	Melting range (DSC) [°C]	Glass transition temp. Tg	Hydroxyl value [mg KOH/g]	Acid value [mg KOH/g]	Open time [sec.]	Hardness Shore	MFR [g/10min]	Melt viscosity [Pa·s]
PES-120	Granules	Low	100	110–120	-22	–	–	<10	–	160°C/420g	232°C/53
PES-700	Granules	Medium	128	–	+35	<9	<3	–	–	–	–
PES-710	Granules	Medium	130	–	+32	<6	<2	–	–	–	–
PES-900	Granules	Low	99	65 – 75	-20	3 – 4	<3	13 – 15	D20	160°C/90g	160°C/115
PES-910	Granules	Low	92	85 – 95	-12	3 – 4	<3	10 – 13	D26	160°C/80g	160°C/125
PES-930	Granules	High	160	140 – 150	-30	3 – 5	<3	10 – 13	D31	160°C/200g	232°C/9
PES-950	Granules	High	–	105 – 115	-6	–	–	–	–	–	160°C/750
PES-955	Granules	High	139	100 – 120	-1	–	–	10	–	160°C/30g	160°C/330
PES-980	Granules	High	170	155 – 165	-30	3 – 5	<3	8 – 11	D55	180°C/200g	232°C/35
PES-800	Blocks	Amorphous	140	150 (Kofler)	+35	4 – 6	<3	15 – 20	D78	180°C/15g	232°C/32
PES-110ECO	Granules	Medium	–	100 – 120	–	–	–	–	–	160°C/15g	160°C/800

R&B = Ring & Ball (DIN EN 1427) · DSC = Differential Scanning Calorimetry · MFR = Melt Flow Rate · All data without guarantee

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Solubility in Organic Solvents

SOLUBILITY IN ORGANIC SOLVENTS					
Type DANPOL	**Methylene chloride**	**Trichloroethylene**	**Toluene**	**MEK**	**Ethyl acetate**
PES-120	–	–	–	–	–
PES-700	+	+	+	+	+
PES-710	+	+	+	+	+
PES-900	+	+	+	CO-L	CO-L
PES-910	+	+	CO-L	–	–
PES-930	+	–	–	–	–
PES-950	+	–	–	–	–
PES-955	+	–	–	–	–
PES-980	+	–	–	–	–
PES-800	+	+	+	+	+
PES-110ECO	+	+	+	CO-L	CO-L

Legend

+	Completely soluble
CO-L	Co-solvent, addition quantity up to 15 % of total solvent
–	Insoluble
n.a.	Not available

The information in our Technical Data is based on current knowledge and experience. It does not release the processor from carrying out their own tests and trials. No legally binding assurance of specific properties or suitability for a particular application can be derived from our data.