

Polyester for Powder Coatings of ATCOAT GmbH



Product Name	Ratio Polyester / Hardener	OH Value (mg KOH/g)	Acid Value (mg KOH/g)	Glastransi tion- temp. (°C)	Melt viscosity at 150 °C (Pas)	Characteristics	Stoving cycles
Atresin 7002	70:30 with Epoxid		30-36	48-56	15-30	Universally applicable polyester with good flow and good mechanical properties. Enhanced Tribo chargeability characteristics. Contains no trimellitic anhydride.	10 min./180°C
Atresin 7530	75:25 with Epoxid		28-32	52-60	25-50	Saturated, carboxylated Polyester resin, for Powder Coatings with good flow and excellent gloss.	10 min./200°C 15 min./160°C
Atresin 7030	70:30 with Epoxid		34-40	54-62	30-50	Saturated, carboxylated Polyester resin, for Powder Coatings with good flow and good mechanical properties.	10 min./180°C 15 min./160°C
Atresin 7510	75:25 with Epoxid		28-34	50-58	30-60	Saturated, carboxylated Polyester resin, for Powder Coatings with good mechanical properties. No TMSA.	10 min./200°C
Atresin 7040	70:30 with Epoxid		34-40	54-62	30-60	Saturated, carboxylated Polyester resin, for Powder Coatings with good flow and good mechanical properties. No TMSA.	10 min./180°C
Atresin 7430	75:25 with Epoxid		34-40	61-69	60-90	Saturated, carboxylated Polyester resin, for Powder Coatings with good flow and outstanding mechanical properties. High Tg.	10 min./200°C
Atresin 7540	75:25 with Epoxid		34-40	61-69	60-90	Saturated, carboxylated Polyester resin, for Powder Coatings with good flow and excellent mechanical properties. High Tg.	10 min./200°C
Atresin 7055	70:30 with Epoxid		36-40	54-62	30-60	Polyester with medium reactivity, for Powder Coatings with excellent flow and good mechanical properties. No TMSA. It is recommended for interior applications.	10 min./200°C
Atresin 7065	70:30 with Epoxid		33-37	57-65	40-60	Pre-Accelerated, saturated, carboxylated Polyester, for Powder Coatings with excellent flow, good mechanical properties and very good pigment absorption. No TMSA. It is recommended for interior applications.	10 min./180°C

Polyester for Powder Coatings of ATCOAT GmbH



Product Name	Ratio Polyester / Hardener	OH Value (mg KOH/g)	Acid Value (mg KOH/g)	Glastransi tion- temp. (°C)	Melt viscosity at 150 °C (Pas)	Characteristics	Stoving cycles
Atresin 7805	70:30 with Epoxid		30-36	48-56	15-30	Universally applicable, accelerated polyester with good flow and good mechanical properties. Especially suitable for structured systems. Contains no trimellitic anhydride.	10 min./180°C
Atresin 7807	70:30 with Epoxid		30-36	48-56	15-30	Universally applicable, accelerated polyester with good flow and good mechanical properties. Enhanced Tribo chargeability characteristics. Especially suitable for structured systems. Contains no trimellitic anhydride.	10 min./180°C
Atresin 6003	60:40 with Epoxid		54-60	48-56	10-25	Saturated, carboxylated Polyester resin for Powder Coatings with very good flow, good mechanical properties, enhanced tribo properties and gas oven stability. Recommended for matt paints.	10 min./180°C 15 min./160°C
Atresin 6008	60:40 with Epoxid		54-60	48-56	10-30	Saturated, carboxylated Polyester resin for Powder Coatings with very good flow, good mechanical properties, enhanced tribo properties and gas oven stability.	11 min./180°C 15 min./160°C
Atresin 5065	50:50 with Epoxid		68-74	54-62	20-40	Accelerated Polyester, for Powder Coatings with good flow, high gloss and excellent mechanical properties.	10 min./180°C
Atresin 5075	50:50 with Epoxid		68-74	54-62	20-40	Polyester with medium reactivity, for Powder Coatings with high gloss and outstanding flow.	10 min./160°C
Atresin 5500	55:45 with Epoxid		65-71	54-62	15-30	In combination with epoxy resins for fast curing powder coatings with very good mechanical properties.	10 min./160°C & 5 min./180°C
Atresin 5705	55:45 with Epoxid		65-71	54-62	15-30	Accelerated Polyester. In combination with epoxy resins for fast curing powder coatings with very good mechanical properties.	10 min./160°C & 5 min./180°C

Polyester for Powder Coatings of ATCOAT GmbH



Product Name	Ratio Polyester / Hardener	OH Value (mg KOH/g)	Acid Value (mg KOH/g)	Glastransi tion-temp. (°C)	Melt viscosity at 150 °C (Pas)	Characteristics	Stoving cycles
Atresin LT 5015	50:50 with Epoxid		68-74	54-62	15-30	High-reactive polyester for fast curing powder coatings with excellent mechanical properties and good flow.	10 min./140°C
Atresin 5085	50:50 with Epoxid		65-71	52-60	25-50	Saturated, carboxylated Polyester resin, for Powder Coatings with good flow and good mechanical properties.	10 min./180°C
Atresin 5003	50:50 with Epoxid		68-74	54-62	20-40	Saturated, carboxylated Polyester resin with medium reactivity, for Powder Coatings with good flow and good mechanical properties. Enhanced tribo property and gas oven stability.	10 min./180°C
Atresin 9510	85:15 with BF 1540	26-34	max. 8	49-66	60-100	Hydroxylated Polyester resin; In combination with blocked (Uretidion) Isophoron-diisocyanate for Powder Coatings with good flow and good mechanical properties. Good compatibilities. No TMSA.	10 min./200°C
Atresin 9520	85:15 with BF 1540	26-34	max. 8	49-57	60-100	Hydroxylated Polyester resin; In combination with blocked (Uretidion) Isophoron-diisocyanate for Powder Coatings with good flow and good mechanical properties. No TMSA.	10 min./200°C
Atresin 2861	95:5 with Primid XL 552		32-36	56-62	38-48	Saturated, carboxylated Polyester resin with very good weather resistance, good mechanical properties, increased Tribo capability, UV-stability and gas oven stability. No TMSA	10 min./180°C
Atresin 2866	95:5 with Primid XL 552		32-36	56-62	38-48	Low temperature Polyester. Saturated, carboxylated Polyester resin with very good weather resistance, good mechanical properties, increased Tribo capability, UV-stability and gas oven stability. No TMSA	10 min./160°C
Atresin 4017	92:8 with Araldit PT 910		30-36	68-72	80-120	Saturated, carboxylated Polyester resin, Tribo-applicable, in combination with Araldit PT910 for Powder Coatings with good flow and good mechanical properties. No TMSA.	10 min./180°C

Polyester for Powder Coatings of ATCOAT GmbH



Product Name	Ratio Polyester / Hardener	OH Value (mg KOH/g)	Acid Value (mg KOH/g)	Glastransition-temp. (°C)	Melt viscosity at 150 °C (Pas)	Characteristics	Stoving cycles
Atresin 4037	93:7 with Araldit PT 910		25-29	66-72	80-100	Accelerated Polyester, for Powder Coatings with excellent flow and good weathering.	10 min./180°C
Atresin 3040	95:5 with Primid XL 552		25-29	57-65	40-70	Saturated, carboxylated Polyester resin, in combination with Primid XL552 for Powder Coatings with good flow and good mechanical properties. No TMSA.	10 min./180°C
Atresin 3541	97:3 with β-HAA		18-22	54-60	70-90	In combination with Atresin 3591 for achieving of matt powder coatings. Good weathering	15 min./180°C
Atresin 3591	97:3 with β-HAA		46-52	54-60	55-70	In combination with Atresin 3541 for achieving of matt powder coatings. Good weathering	15 min./180°C
Atresin OD 2003	95:5 with Primid XL 552		30-35	53-58	25-45	Saturated, carboxylated Polyester resin with very good weathering, good mechanical properties, enhanced tribo properties and gas oven stability. No TMSA!	10 min./180°C
Atresin SD 1108	93:7 - 92:8 with Araldit PT 910		28-34	55-62	35-60	Accelerated, saturated, carboxylated Polyester with excellent weathering, enhanced tribo properties and gas oven stability. For exterior use.	15 min./160°C
Atresin SD 1118	93:7 - 94:6 mit Araldit PT 910		24-30	45-52	45-60	Saturated, carboxylated, flexibilated Polyester resin with good weathering, enhanced tribo properties and gas oven stability. For exterior use. No TMSA!	15 min./160°C
Atresin SD 1206	93:7 - 94:6 mit Araldit PT 910		20-26	61-69	45-60	Saturated, carboxylated Polyester resin with good weathering and gas oven stability. For exterior use. No TMSA!	10 min./160°C
Masterbatch Atresin 7955			34-40	49-57	40-70	Saturated, carboxylated Polyester resin. C952 is an accelerator master batch for use in Powder Coating Systems (hybrid or TGIC). It contains 5 % active substance. No TMSA.	

Polyester for Powder Coatings of ATCOAT GmbH



Product Name	Ratio Polyester / Hardener	OH Value (mg KOH/g)	Acid Value (mg KOH/g)	Glastransi tion- temp. (°C)	Melt viscosity at 150 °C (Pas)	Characteristics	Stoving cycles
Tribo-Masterbatch Atresin 9972			≤8	60-68	60-100	Saturated, carboxylated Polyester resin. Tribo master batch with 5% active substance, the base is a hydroxylated polyester. It is recommended to use 1,5 - 2,5% on total formulation weight.	