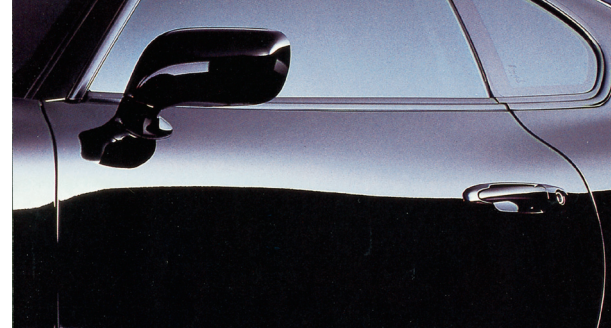




Product Selector Guide

SMC/ BMC Resins

REICHHOLD



SMC and BMC Molding Resins

Selecting the right resin system is a critical element of your new product development process. Based on customers' end-use performance requirements (i.e. associated with mechanical strength and fatigue, chemical resistance, weathering resistance, surface aesthetics) and your specific process characteristics and set up, you want to make sure you can choose the best product at the lowest system cost.

Reichhold has an extended range of resins systems available and can support you with a broad expertise in conversion and application processes. We would like to ensure that you will continue to develop novel parts and applications that perform well in the anticipated end-use environment at competitive system cost.

The Product Selector Guide will provide you with an updated overview of the key resins offered by Reichhold for the most important conversion processes and end-use applications.

Please do not hesitate to contact your dedicated local Reichhold Technical Service or Sales Representative for additional support.

Product name	Viscosity @ 23 °C [mPas]	Peak time [min]*	Peak exotherm [°C]*	Acid value	NV [%]	HDT [°C]	Tensile elong [%]	Application & Features
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Resins for standard and LS applications

POLYLITE®	31617-05	3000	5	285	20	69	136	1,0	General purpose resin
POLYLITE®	31660-30	1500	5	285	23	65	135	1,9	General purpose resin
POLYLITE®	675-033	1400	-	-	18	64	105	3,5	Improved toughness
POLYLITE®	PO-4655	1500	5	280	17	66	140	1,5	Improved surface High filler loads possible
POLYLITE®	PO-4656	2300	5	280	20	67	120	2,4	Improved gloss Improved surface Improved weathering Improved coloring

Resins for special applications; electrical insulation, high temperature, or chemical resistance

POLYLITE®	650-000	1100	4,5	280	14	60	135	1,2	For electrical applications
POLYLITE®	680-000	1200	6	275	20	66	125	1,4	For electrical applications Special for iso-cyanate thickening
POLYLITE®	31696-55	2500	7	290	15	67	126	1,7	For electrical applications Improved weathering Improved coloring
POLYLITE®	PP-3321	2600	-	-	15	65	> 184	0,7	Very high HDT
DION®	31056-00	2000	13	270	21	63	130	2,5	Improved chemical resistance



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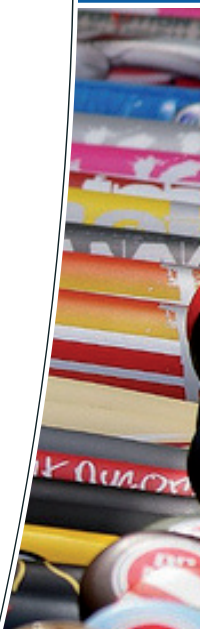
Resins for LP and Class A applications

POLYLITE®	31612-15	2600	5	285	18	66	143	1,9	Especially recommended for head lamp reflectors due to low fogging High glossy surface
POLYLITE®	660-000	1200	5	290	13	60	140	0,8	High gloss For parts with big ribs/ complicated geometry
POLYLITE®	661-000	600	3,5	300	20	61	155	0,8	Excellent smoothness Excellent gloss High filler loads possible
POLYLITE®	663-000	2900	4,5	285	20	68	155	0,8	Excellent surface High Gloss improved coloring
POLYLITE®	PP-3240	600	-	-	20	64	150	0,8	Improved toughness Excellent surface Excellent green strength
POLYLITE®	PP-3294	1800	-	-	16	66	163	0,9	Improved compatibility Excellent surface aspects Improved weathering

LS and LP additives

NORPOL® LP-Additive	9880	4000	-	-	2,5	40	-	-	PVAc
NORPOL® LP-Additive	9887	5700	-	-	-	37	-	-	High impact PS
NORPOL® LP-Additive	9892	1300	-	-	11	66	-	-	Saturated polyester
NORPOL® LP-Additive	PD-3374	180	-	-	4	40	-	-	Low visc PVAc
NORPOL® LP-Additive	PD-3375	8000	-	-	-	36	-	-	SBS rubber
NORPOL® LP-Additive	PD-3307	4200	-	-	-	37	-	-	PMMA

* Typical values for reactivity tests @ 120 °C with 1,0 % TBPB



REICHHOLD is one of the worlds largest supplier of unsaturated polyester resins for composites and a leading supplier of coating resins for a wide variety of markets and applications.

With its world headquarters in North Carolina, USA, and 20 manufacturing sites and 5 technology centres spread around the world, Reichhold has the widest global reach of any resin supplier today.

www.Reichhold.com

The information herein is to help customers determine whether our products are suitable for their applications. Our products are intended for sale to industrial and commercial customers. We request that customers inspect and test our products before using them to satisfy themselves as to contents and suitability. We warrant that our products will meet our written specifications. **Nothing herein shall constitute any other warranty express or implied, including any warranty of merchantability or fitness for a particular purpose**, nor is protection from any law or patent to be inferred. All patent rights are reserved. The exclusive remedy for all proven claims is replacement of our materials, and in no event shall we be liable for special, incidental, or consequential damages. Reproduction of all or any part is prohibited except by permission of authorized Reichhold personnel. Copyright © 2013 by Reichhold. All Rights reserved.
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