GLOW-IN-THE-DARK PRODUCTS–AUTOMOTIVE

Phosphorescent Compounds from RTP Company

Highlights

- **Automotive approved compounds for trunk release handles**
- **Available in PP, ABS, PA 6/6, PC, PMMA and elastomer resins**
- **Supercharged compounds for long afterglow**
- **Lot to lot uniformity for superior processing**

AUTOMOTIVE

Glow Products

Imagine a family of plastic products with brilliant, glow-in-the-dark effects, one that offers multiple options in glow duration, intensity, color and price. At RTP Company, we not only imagined it, we made it a reality.

New classes of pigments allow RTP Company to offer products with longer glow life and quicker activation times. The most effective way to re-charge these compounds is to expose them to direct ultraviolet rays. The phosphorescent pigments absorb ultraviolet light and slowly emit this energy over time. The effect can be achieved with resin systems such as polyolefins, nylons styrenics, acrylics, polycarbonates, and elastomers.

For automotive, RTP Company's phosphorescent products have been used primarily for glow-in-the-dark trunk release handles. Other potential applications include seat belt release buckles, hood and fuel release handles, ignition surrounds, and interior switches. In some applications, glow-in-the-dark compounds can be used as an alternative light source to eliminate expensive wiring and lighting systems, thereby reducing overall cost and complexity.

Combining the power of this color technology with laser marking creates letters, symbols and instructions that are actually illuminated by the surrounding material.

Glow-in-the-Dark products from RTP Company…another innovation from the leader in specialty compounding.

Astro Cap Manufacturing release latch RTP 100 Series GITD polypropylene compound

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RTP Co.
Imagineering Plastics ®

The Leader in Specialty Compounding

Manufacturing Facilities:

ISO 9001 REGISTERED FACILITIES

Winona, MN
South Boston, VA
Fort Worth, TX
Indianapolis, IN
Beaune, France
Singapore
Suzhou, China

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GLOW-IN-THE-DARK PRODUCTS-AUTOMOTIVE

Phosphorescent Compounds from RTP Company

Automotive Specifications

OEM	RESIN	RTP PRODUCT / COLOR CODE	MATERIAL SPECIFICATION
DCX	PP	RTP 199 X 98579 C SSC-63778 PHOS GREEN	MSDB 500 CPN4576
DELPHI	PP	RTP 199 X 98579 C SSC-63778 PHOS GREEN	DX300373
FORD	PP	RTP 199 X 98579 C SSC-63778 PHOS GREEN	WSS-M4D556-A7
GM	PP	RTP 199 X 98579 C SSC-63778 PHOS GREEN	GMP-PP-113
HONDA	PP	RTP 199 X 98590 SSC-63791 PHOS GREEN	Tier 1
MITSUBISHI	ABS	RTP 699 X 94678 SSC-63386 PHOS GREEN	Tier 1
TOYOTA	ABS	RTP 699 X 94678 SSC-63386 PHOS GREEN	Tier 1
NISSAN	NYLON	RTP 299 X 90078 SSC-63023 PHOS GREEN	Tier 1

Luminescence Data RTP 199 X 98579 C SSC-63778 Phosphorescent Green

Properties	OEM Standard	RTP 199 X 98579 C SSC-63778
Time after one minute excitation by an illumination of 100 foot- candles	Specified minimums Afterglow luminance (Micro-lamberts)	RTP Afterglow luminance (Micro-lamberts)
2 minutes	20	25.133
20 minutes	0.40	1.634
1 hour	0.12	0.377
2 hours	0.10	0.138
4 hours	0.04	0.048
8 hours	0.01	0.016

Luminescence Data RTP 699 X 94678 SCC-63386 Phosphorescent Green

Afterglow Luminance	D65 70 lux for 30 sec. @ R.T.	D65 70 lux for 30 sec @ R.T.
Time	OEM Standard	RTP 0699 X 94678 SSC-63386
after 1 minute	12 mcd/m^2	37.8 mcd/m^2
after 10 minutes	4 mcd/m^2	9.4 mcd/m^2
after 60 minutes	0.7 mcd/m^2	1.3 mcd/m^2

Note: RTP Company can provide luminescence data for any of our glow products. Please contact your RTP Company Representative for additional data or product information.