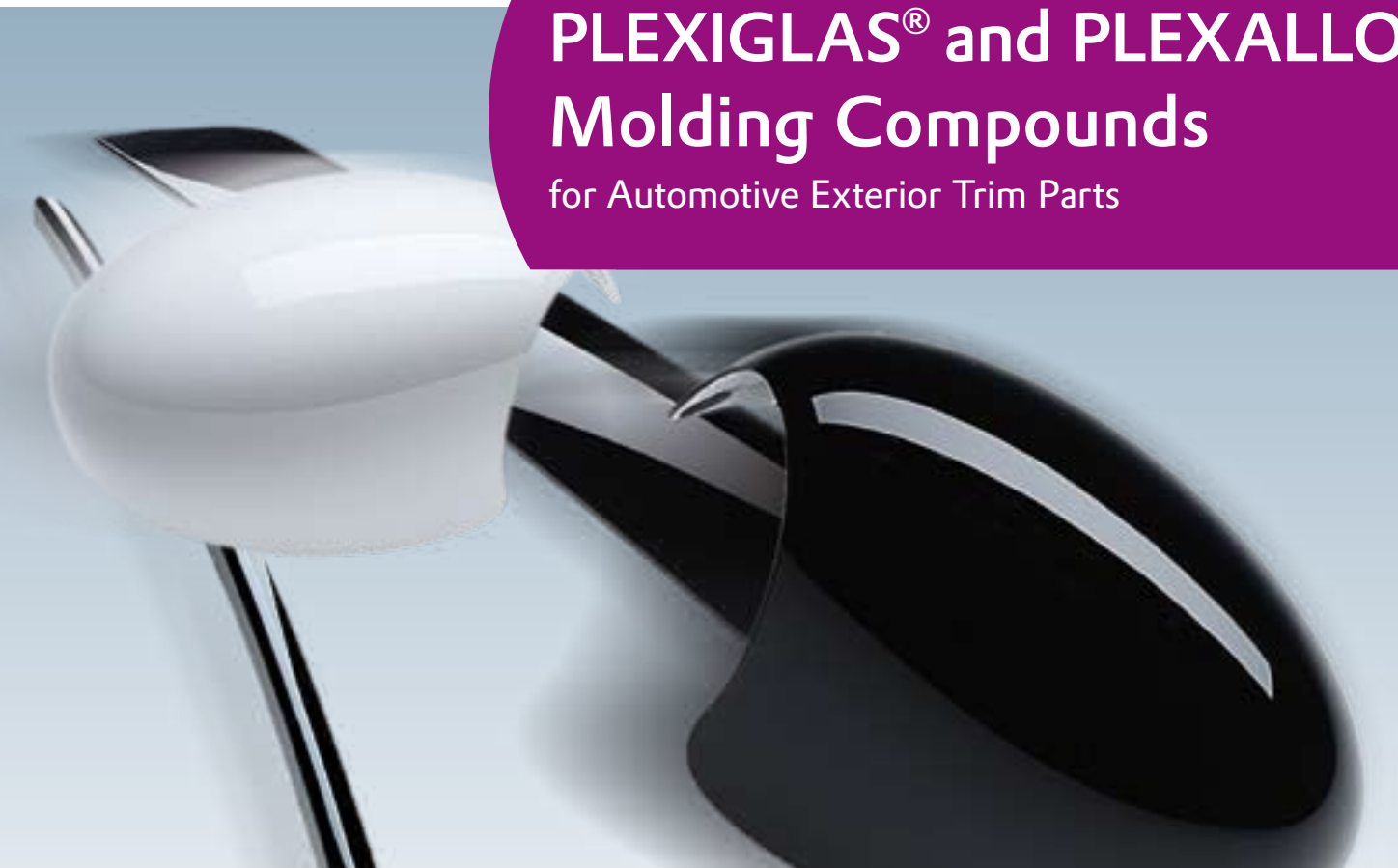


PLEXIGLAS[®] and PLEXALLOY[®] Molding Compounds

for Automotive Exterior Trim Parts



Setting the standard with PLEXIGLAS® and PLEXALLOY®



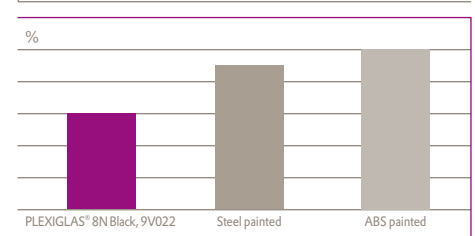
PLEXIGLAS® and PLEXALLOY® molding compounds are the preferred materials for manufacturing non-transparent add-on automobile body parts. A specially tailored product portfolio provides solutions for the efficient production of colored injection molded components, while ensuring high part design flexibility. Today, these innovative special molding compounds are employed in the series production of more than 35 vehicle models from all leading OEMs.

A few of their outstanding properties:

- Extremely deep color
- Weather resistance throughout the car's life cycle
- Robust, high-gloss surface (Class A) from which any minor scratches can be easily polished away
- Economical processing, because no subsequent coating or painting is required

For B-pillar covers, the use of PLEXIGLAS® molding compound can reduce component costs by up to 40 percent compared to painted systems.

Relative Components Costs (B-pillar)



Co-extruded sheet applications with PLEXIGLAS® molded compounds are ideal as a color or cover layer for large, complex body parts on the exterior. After thermoforming, they are back molded or foam backed in a further processing step. With a glossy Class A surface, these sheets are an economical alternative to painting.

New customer-specific solutions PLEXIGLAS® and PLEXALLOY® molding compounds

Outstanding features and benefits:

- Excellent weather resistance for lifetime durability
- Depth of color for outstanding appearance
- High-gloss surface (Class A) for lasting appeal
- Superior surface hardness ensures good abrasion resistance
- High heat resistance for structural stability
- High rigidity for good dimensional stability
- Resistance to gasoline prevents surface damage
- Good chemical resistance offers protection against environmental influences (bird droppings, acid rain)
- Polishable to remove small surface scratches
- 100 percent recyclable – environmentally friendly

In addition:

- Ease of processing for injection molding
- Very cost-effective thanks to savings as compared with painted systems
- Competent technical assistance worldwide



PLEXIGLAS® und PLEXALLOY®:
for trim parts with outstanding appearance



PLEXIGLAS® and PLEXALLOY® – Perfect design and functionality



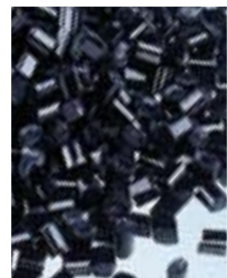
The applications for PLEXIGLAS® and PLEXALLOY® molding compounds include decorative panels, functional parts, mirror housings, large-surface panels, and roof elements.



Color development for PLEXIGLAS® and PLEXALLOY®

PLEXIGLAS® and PLEXALLOY® molding compounds are available in a variety of colors. All colors are high gloss and have an elegant appearance. We understand the special design needs of the automotive industry and offer a spectrum of colorful solutions with a consistently high quality. We also have the know-how to develop new colors and offer technical support for all your color design needs.

High gloss surface and excellent color depth: Exterior trim parts made of PLEXIGLAS® and PLEXALLOY®



Products at a glance

The various PLEXIGLAS® and PLEXALLOY® grades have specific property profiles designed to meet the full range of requirements for various add-on automotive body parts.

The heat-reflecting, special molding compound PLEXIGLAS® CoolTouch® is new and particularly recommended for roof applications, as it reflects sunlight. The products in our portfolio can be selected according to the exemplary application and processing recommendations:

Product grades	Key properties	Simple covers/panels (decorative function)	Pillar covers Multi-layer parts
PLEXIGLAS® 8N	High abrasion resistance, well-balanced property profile	● ● ● ●	● ● ● ●
PLEXIGLAS® FT15	High heat deflection temperature and good flow	● ● ● ●	● ● ● ●
PLEXALLOY® NTA-1	High heat deflection temperature, modified impact strength	○ ○ ○ ○	○ ○ ○ ○
PLEXALLOY® NTA-3	High heat deflection temperature and impact strength on same level as standard PLEXIGLAS® molding compounds	○ ○ ○ ○	○ ○ ○ ○
PLEXIGLAS® CoolTouch®	Heat-reflecting	○ ○ ○ ○	○ ○ ○ ○
PLEXIGLAS® Black 90114	IR light-transmitting	○ ○ ○ ○	○ ○ ○ ○



Functional panels, e.g. window channels	Mirror housings and mirror triangles	Rear and side spoilers	Roof modules
● ● ● ●	○ ○ ○ ○	● ● ● ●	○ ○ ○ ○
● ● ● ●	○ ○ ○ ○	● ● ● ●	● ● ● ●
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® = reg. trademark

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EVONIK
INDUSTRIES

Evonik Röhm GmbH

Acrylic Polymers

Kirschenallee

64295 Darmstadt

PHONE +49 6151 18-4772

FAX +49 6151 18-3177

plexiglas.polymers@evonik.com

www.plexiglas-polymers.com

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