

**YOUR PARTNER FOR
ENGINEERED RESIN COMPOUNDS**

As an expert for high performance compounds SITRAPLAS is able to offer raw material to meet individual needs. Sales managers and process engineers can assist you in selecting a suitable product depending on your requirements and end uses. Our team will also be available to support you in your production if questions or problems regarding our material arose. SITRAPLAS is a reliable partner to offer custom solutions.

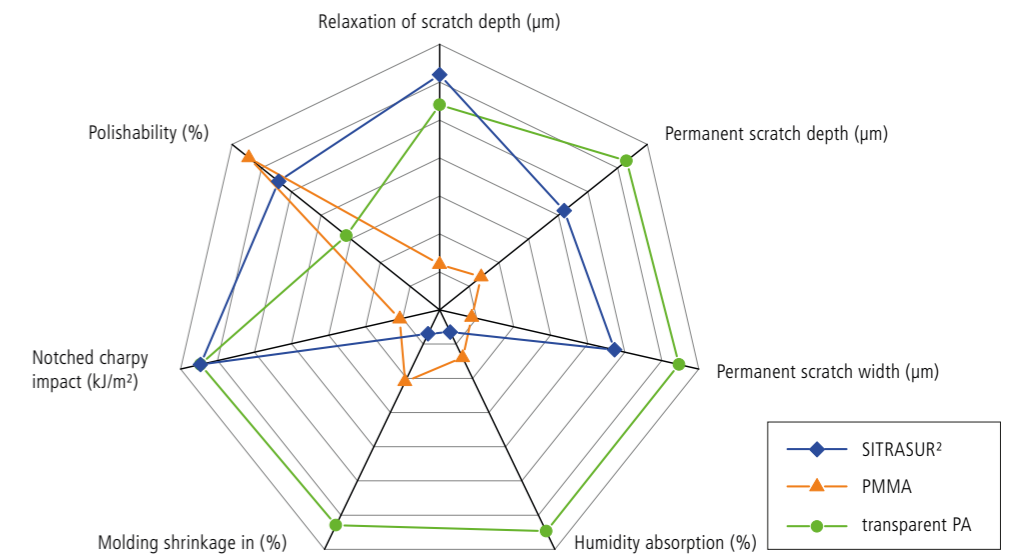
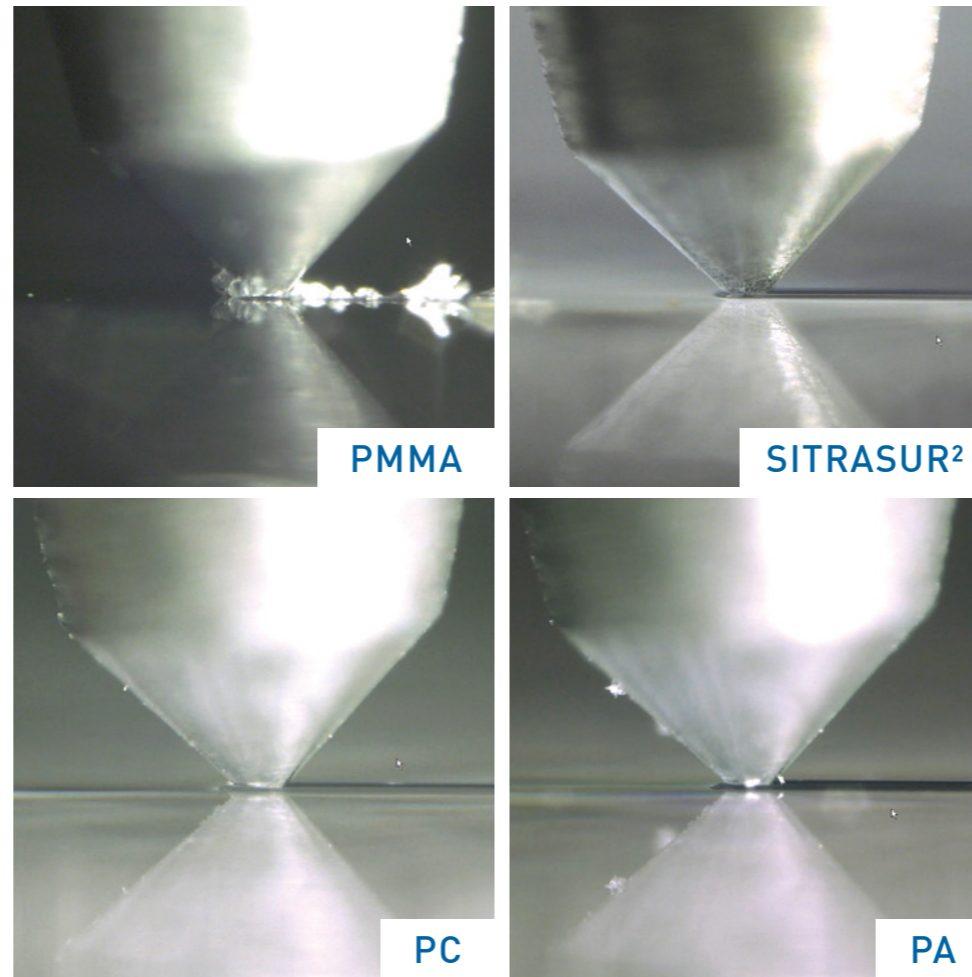
Please contact us for personal consultation.

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**SITRASUR²
OPTIMIZED SCRATCH-BEHAVIOR**

The wide application range of engineering plastics coupled with the desire for creative design, constantly demand new requirements from the raw materials used. The R&D-Team of SITRAPLAS offers customers a new attractive solution - SITRASUR².





BALANCED PERFORMANCE

SITRASUR² on basis of a polycarbonate blend offers a balanced performance of all properties and excellent processability compared to other raw materials.

The University of Applied Sciences in Darmstadt compared SITRASUR² with commonly used materials in an independent study (Universal Surface Tester). SITRASUR² has the same ductile failure like a PC or transparent PA, resulting in scratches that are less noticeable for the human eye. At the same time, the scratch resistance of SITRASUR² is close to PMMA.

WHY SITRASUR²?

Plastic surfaces can become unattractive due to scratches from daily use. Scratches are caused by various reasons such as external influences or incorrect handling. Manufacturers and customers, however, want highly resistant and durable materials throughout the entire life span of a component.

Improvements to the surface hardness by the application of coatings are complex and expensive.



PRODUCT FEATURES

- > Improved scratch resistance
- > Close to PMMA regarding scratch width and depth
- > High transparency
- > Excellent mechanical properties of a polycarbonate
- > Good resistance to temperature changes
- > High UV-stability
- > High gloss
- > Low molding shrinkage
- > Hydrolytically stable
- > Polishable
- > Excellent machining

SITRASUR² offers optimum conditions for polishing to repair heavily scratched component surfaces similar to PMMA.

