

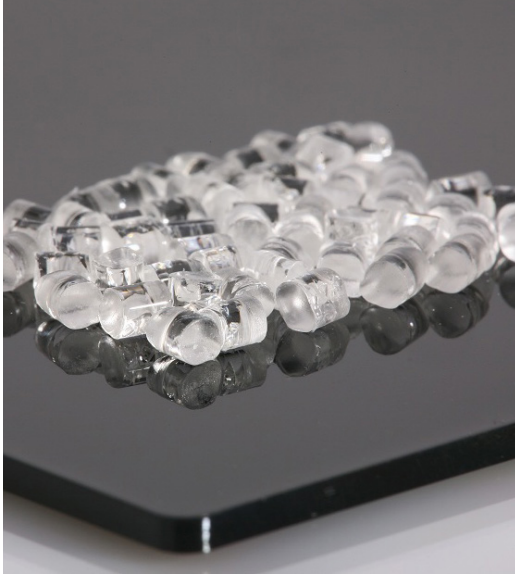
EN

**DURABIO™**  
transparent, bio-based engineering polymer



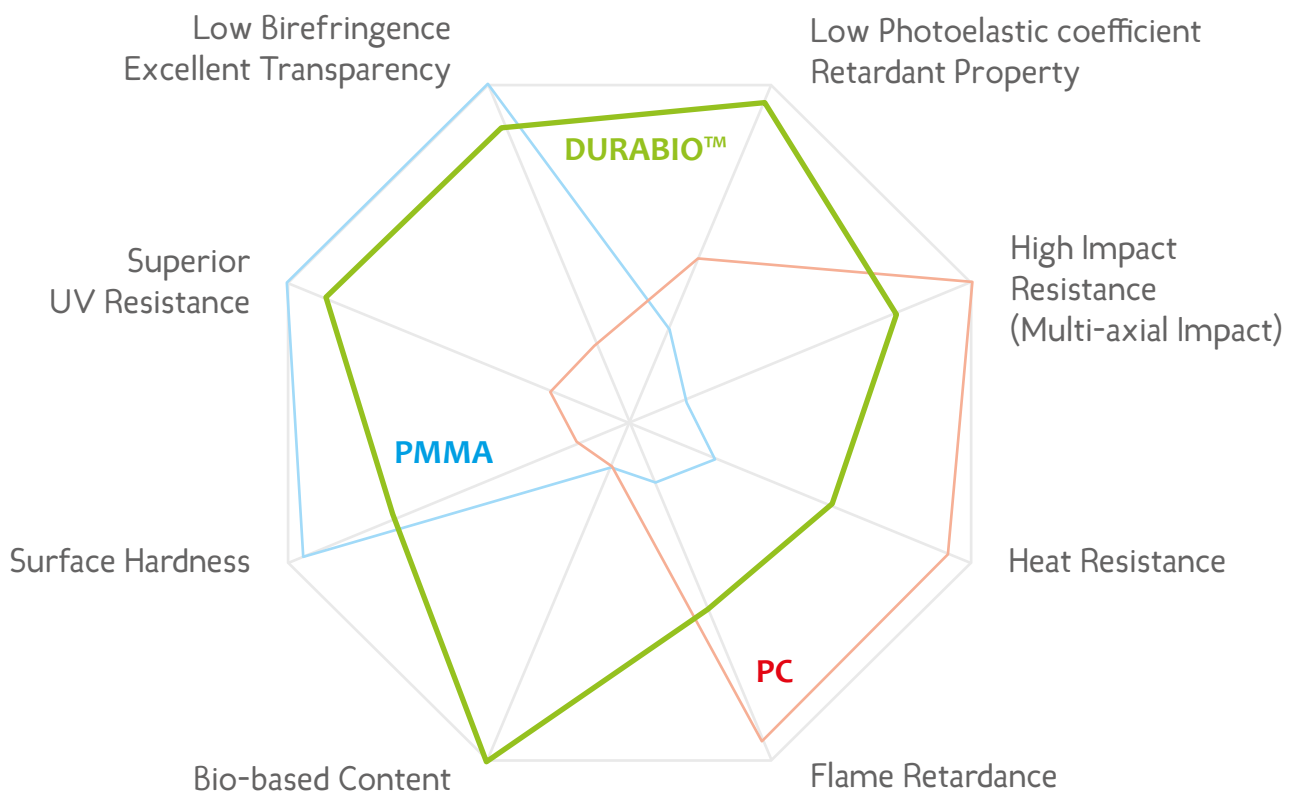
# DURABIO™

## The renewable way



DURABIO™ is a new generation of engineering polymer whose main raw material is plant-derived isosorbide. This bio-based polycarbonate resin expresses its uniqueness by offering a set of well-balanced properties distinct from standard PMMA and/or PC resins. DURABIO™ with its high transparency similar to PMMA, provides a significant higher impact behavior combined with an improved heat resistance. Moreover, DURABIO™ beats the well-known inferior properties of PC in regards to scratch resistance, hardness and chemical resistance. In other words, DURABIO™ is a material deployable in various applications, surpassing the features of other engineering polymers.

### DURABIO™ – Comparative general properties



## DURABIO™ – Applications

DURABIO™ is particularly designed for applications requiring exceptional durable transparency and visual appearance with scratch, impact as well as chemical resistance. Due to these comprehensive properties, DURABIO™ enables the usage in various applications fields:



Exterior automotive trim parts



Interior automotive trim parts



Optical components:  
sunglasses, displays, lighting, optical film



Glass substitution:  
roofs and noise barrier

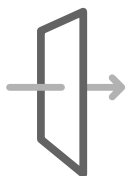


Electronic equipment, home appliance



Cosmetic container

## DURABIO™ – Key Features



Excellent transparency



High gloss



Outstanding UV-resistance



Ductility with strong  
impact resistance



Scratch and abrasion  
resistance



Chemical resistance



Bio-based



## ABOUT US

The Mitsubishi Chemical Performance Polymers business (MCP) is one of the top growing businesses at Mitsubishi Chemical Group. MCP delivers innovative solutions based on consistent chemistry, technology, polymer design, and thermoplastic compounding expertise.

## CUSTOMER ORIENTED

Our commitment is to be your global specialty partner by developing and delivering solutions which satisfy a variety of needs.

## GLOBAL

Worldwide, we deliver high quality, thermoplastic resins for automotive applications. These applications include safety parts, seals, under the hood, interior and exterior components. As a reliable partner, we also provide global thermoplastic solutions for consumer goods, packaging, medical, building industries, wire and cable, and other industrial applications.

[www.mcgp-global.com](http://www.mcgp-global.com)

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