

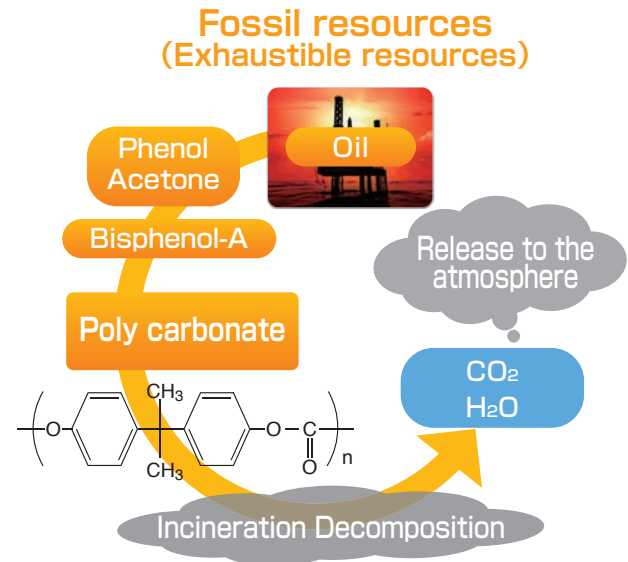
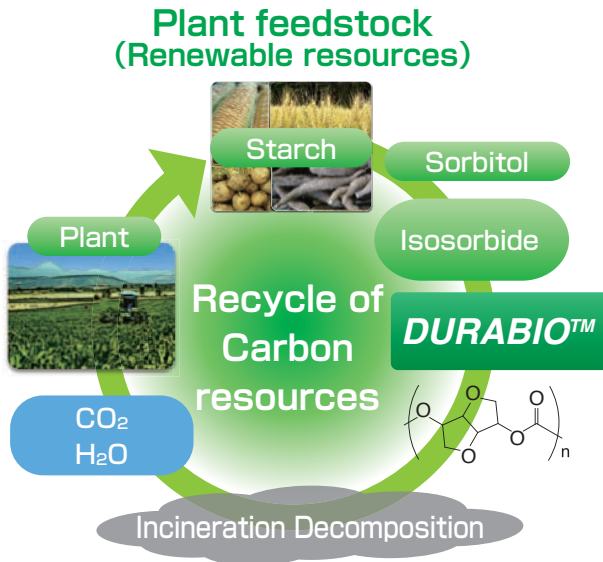
# DURABIO™ (Durable + BioPolymer)

## Plant-based/Environmentally-friendly High Functional Engineering Plastics

### Characteristics and Advantages

DURABIO™ is a bio-based polycarbonate resin derived mainly from plant-based isosorbide.

DURABIO™ features high transparency, excellent optical properties and outstanding scratch resistance.



Reduction of Fossil Resources approx. **60%** compared with Polycarbonate

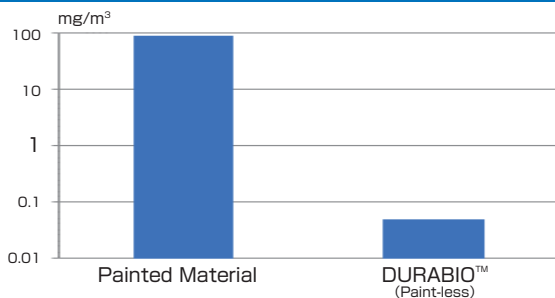
Based on ISO14040

Database : IDEA ver.1.2

(Inventory Database for Lifecycle Analysis)

Software : MiLCA ver.1.1.2 (JEMAI)

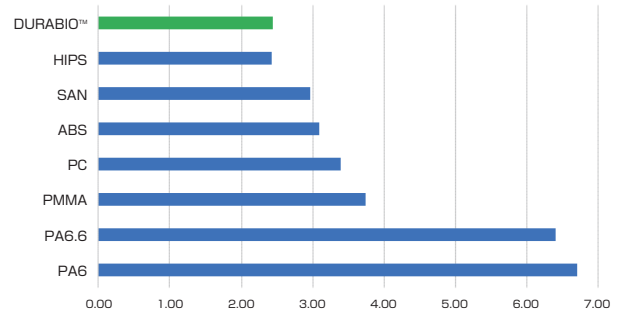
### VOC emission



※Measured by MCC with following Japanese Automotive standards Organization standard

### GWP(Global Warming Potential) kg CO<sub>2</sub> eq

\*Data as of March/2020(Plastics Europe Eco-profiles)



### Applicable components

- Interior (Center and SW panels, shift lever upper, steering parts, meter hood, cup holder etc.)
- Exterior (Radiator grille, pillar, sensor cover etc.)

### Proposal for the future

Proposal for cost-reduction & superior designability with environmental-friendly DURABIO™

- For the future car's indoor residential space in the coming CASE era
- For designability, functionality, comfort to appeal to the "sight" "hearing" "sense of touch" "sense of smell"
- For high functional and large type center information display at instrument panel
- For high functional and integrated parts(Ex. Radiator grill + Sensor ) at exterior

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