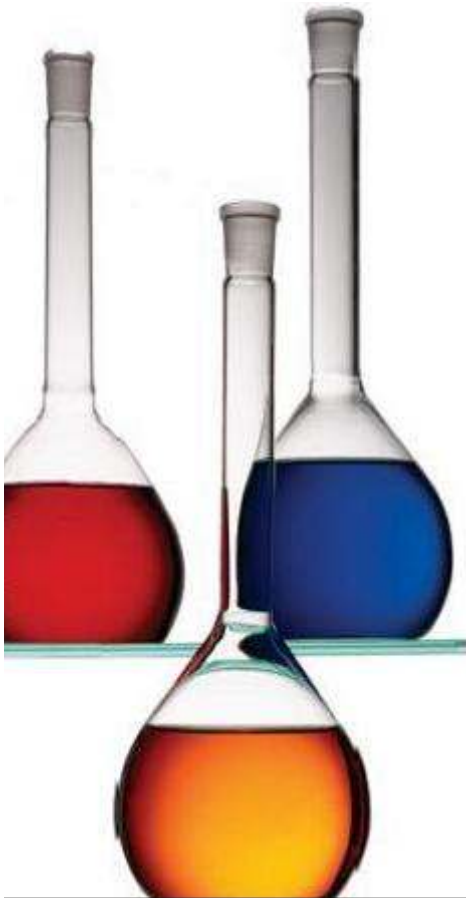


May 2010



Supporting Green House Gas Reduction Through Innovative Material Components

Sharing our futures



- Established in 1976, SABIC is one of the top five petrochemical companies in the world.
- Total assets over \$72 billion and annual revenue exceeding \$40 billion
- 33,000 employees and operations in more than 100 countries
- 60 world-class manufacturing and compounding plants in locations across the Middle East, Asia, Europe and the Americas
- Extensive array of products including chemicals, polymers, specialty plastics and chemicals, fertilizers and metals

Our 2020 vision is to be the preferred world leader in chemicals

Chemicals

Olefins, oxygenates, aromatics, fiber
Intermediates, industrial gases, linear
alpha olefins

Polymers

PE, PP, PET, PVC, PS

Performance Chemicals

Ethoxylates, ethanolamines

Fertilizers

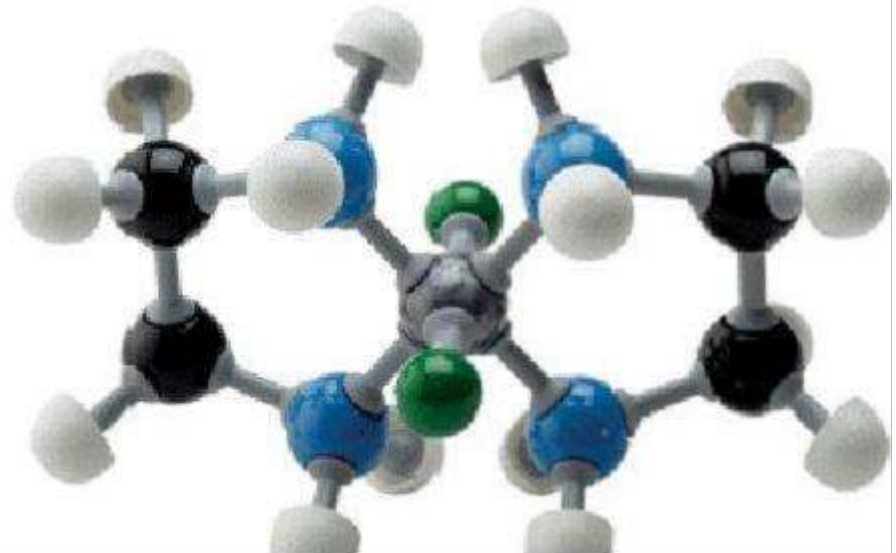
Urea, ammonia and phosphates

Metals

Flat Steel, Long Steel

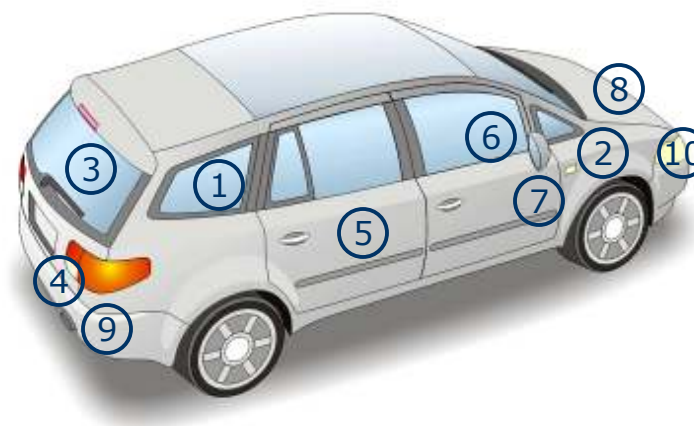
Innovative Plastics

PC, PP, PPE/PS, PEI,
PBT, ABS, ASA, PC/ABS,
PC/PBT, PPE/PA,
specialty compounds,
automotive glazing



Key Weight Saving Technologies From SABIC Innovative Plastics

- | | |
|-----------------------------|------------------------------|
| 1. PC Glazing | = 40 lbs potential reduction |
| 2. PPO/PA Fenders | = 6.5 lbs |
| 3. PP Tailgate Inner | } = 6.5 lbs |
| 4. PC/PBT Tailgate Outer | |
| 5. PP Door Modules | = 4.0 lbs |
| 6. PC Steering Wheel | = 1.5 lbs |
| 7. PPO Wire Coating | = 2.0 lbs |
| 8. PP Front End Module | = 4.0 lbs |
| 9. PC/PBT Energy Absorbers | = 1.1 lbs |
| 10. PEI Headlamp Reflectors | = 0.8 lbs |



Programs in Validation or in Production

PPO/PA Body Panels

A proven technology for plastic fenders



Value: Design freedom,
significant weight savings

Per vehicle mass reduction:

6-7 lbs

Potential average North American fleet annual savings:

90 million gallons; 800k MT of CO2 *

Currently used on:

Renault	CLIO3, TWINGO, MODUS, MEGANE2, SCENIC2, ESPACE4, Kangoo
PSA	T5 307, T7 308, C4, C4 PICASSO
LANCIA	YPSILON
MERCEDES	VITO
Ford	Kuga
Audi	R8
BMW	SERIES 6
VW	New Beetle
Mitsubishi	Delica
Hummer	H3

Polycarbonate Glazing

*A lightweight glazing solution
providing design flexibility and
styling freedom*



Per vehicle mass reduction:

40 lbs

Potential average North American fleet annual savings:

566 million gallons; 5 million MT of CO2 *

Currently used on:

Honda Civic, Seat Leon, GM
Corvette

Value: High ductility
thermoplastic reduces mass
up to 50% compared to
glass

PC Co-polymer Steering Wheel



Value: New high ductility thermoplastic reduces mass and eliminates materials that are less easily recycled

Light weight thermoplastic solution replacing cast metal

Per vehicle mass reduction:

1 to 2 lbs

Potential average North American fleet annual savings:

26 million gallons; 225k MT of CO2 *

Production status:

Initial prototype testing: Pass

Production tests in progress

Flexible PPO Wire Insulation



A thinner wall, lower mass, insulation for automotive wire

Per vehicle mass reduction:

1 to 3 lbs

Potential average North American fleet annual savings:

39 million gallons; 340k MT of CO2 *

Value: Lower specific gravity and new resin performance may allow smaller, lighter vehicle wiring harnesses

Currently used on:

Toyota Tundra, Corolla, Sequoia, Solara

GMC/Chevy Silverado, Sierra, Yukon, Tahoe, Suburban

Dodge Journey

Weight savings achieved in concept vehicle designs:

Application	SABIC-IP Solution	SABIC Part Wt. (lb)	Traditional Material	Traditional Part Wt (lb)	Mass Savings (lb)	% Save
Panoramic Roof	Lexan	29.0	Glass	38.7	9.7	25%
Decklid Glazing	Lexan	14.5	Steel	26.8	12.3	46%
Hood Outer	HPPC-Xenoy iQ	14.7	SMC	26.8	12.1	45%
Hood Inner	HPPC-Xenoy iQ	14.7	SMC	26.8	12.1	45%
Doors - Front	HPPC-Xenoy iQ	4.4	Steel	7.9	3.5	44%
Doors - Rear	HPPC-Xenoy iQ	2.9	Steel	5.3	2.4	46%
Fenders	Noryl GTX	4.6	Steel	8.4	3.7	45%
Energy Absorber - Front	Xenoy iQ - Global EA	3.5	Xenoy	3.5	0.0	0%
Energy Absorber - Rear	Xenoy iQ - Hybrid Beam	12.1	Xenoy/Steel	15.2	3.1	20%
Noryl Wire Coating	Noryl	2.4	XL PE	5.5	3.1	56%
Steering Wheel	Lexan EXL	na	Magnesium w/urethane	na	1.5	n/a



**GM Volt
2007**

**Total Save:
64 lbs. (29 kg)**

Application	SABIC-IP Solution	SABIC Part Wt. (lb)	Traditional Material	Traditional Part Wt (lb)	Mass Savings (lb)	% Save
Panoramic Roof	Lexan	13.4	Glass	30.4	16.9	56%
Rear Window	Lexan	10.1	Glass	22.7	12.5	55%
Side Windows	Lexan	6.8	Glass	15.4	8.6	56%
Hood Outer	HPPC - Xenoy iQ	15.0	Steel	25.3	10.3	41%
Hood Inner	HPPC - Xenoy iQ	15.8	Steel	20.7	4.8	23%
Doors - Front	HMD - Xenoy	22.7	Steel	36.3	13.6	38%
Doors - Rear RH Only	HMD - Xenoy	4.0	Steel	6.2	2.2	36%
Fenders	HMD - Xenoy	17.2	Steel	28.8	11.7	40%
Quarter Panels	HMD - Xenoy	11.0	Steel	17.6	6.6	38%
Roof Frame Cover	HMD - Xenoy	5.7	Steel	9.2	3.5	38%
Cover Tailgate Outer	HMD - Xenoy	5.3	Steel	10.1	4.8	48%
Tailgate Inner	Verton	9.7	Steel	15.2	5.5	36%



**Hyundai QarmaQ
2007**

**Total Save
135 lbs (61 kg)**

Note not all applications listed

Technologies are available today making vehicle lightweighting available