

AOC[®]
World Leader in Resin Technology


Atryl[®]
CLOSED MOLD RESINS

ADVANCED
TECHNOLOGIES FOR
SMC



ATRYL[®] TCA

ADVANCED TECHNOLOGIES FOR SMC

Sheet molding composite (SMC) has long been specified for cars and trucks to lower mass, reduce costs at specific volumes, eliminate rust, and allow more freedom to design for aesthetics, function and modularity. Through ongoing research with industry partners, AOC is enhancing SMC's cost/performance benefits while developing new technologies to make SMC lightweight and more sustainable.



GLOBAL STANDARD FOR SURFACE PERFECTION

The foundation of AOC technology leadership in automotive SMC is Atryl[®] TCA. Automotive Class A parts and systems that are formulated with Atryl TCA demonstrate the world's ultimate in surface smoothness and quality. That includes painted parts that are exposed to high paint cure temperatures.



GETTING SMC TO LIGHTEN UP SOME MORE

AOC is at the forefront of technological work aimed at bringing the density of SMC down to all-time lows. Many lower density SMC formulations put SMC's lightweight advantage on a par with such nonferrous metals as aluminum and magnesium. Low and medium-density SMC can be painted using the same techniques that are used for standard SMC, and steel.

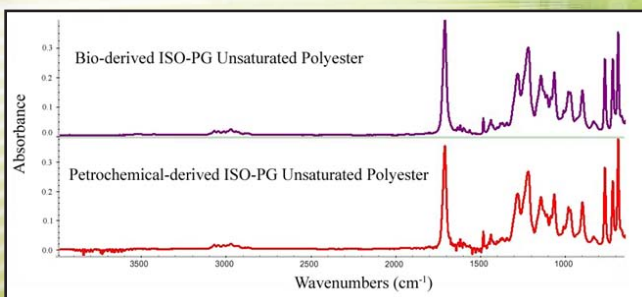
SMC Density	Specific Gravity	% Mass Reduction
Standard	1.9	—
Medium	1.6	15
Low	1.3	30

TOWARD A MORE SUSTAINABLE WORLD

AOC continues to expand the research and development of EcoTek® Green Technologies that help customers create a more sustainable world. Developmental EcoTek SMC resins are designed to offer the same processing, performance and appearance characteristics as conventional resin technologies.

EcoTek products offer one or more of the following features:

- use building blocks derived from biologically renewable materials,
- have recycled material content,
- are 100% free of styrene.



Infrared analysis demonstrates that the spectrum of resin made with bio-derived propylene glycol is identical to that of resin made with petro-derived PG.

EcoTek
GREEN TECHNOLOGIES



RENEWABLE CONTENT



STYRENE-FREE



RECYCLED CONTENT

THE WORLD OF

AOC®

World Leader in Resin Technology

AOC is a leading global supplier of resins, gel coats, colorants, additives and synergistic material systems for composites and cast polymers. AOC knows technology, lives quality, and delivers service better than any other resin supplier. For more information, go to

AOC-RESINS.com

SALES CONTACTS

North America

Toll free: +1 866 319 8827
northamerica@aoc-resins.com

Latin America

+01 863 815 5016
latinamerica@aoc-resins.com

Middle East

+44 1473 288997
middleeast@aoc-resins.com

Europe

+44 1473 288997
europe@aoc-resins.com

AOC UK Ltd.

+44 01206 390400
salesUK@aoc-resins.com

India

+91 20 2547 2011
india@aoc-resins.com

Asia/Australia

+44 1473 288997
asia@aoc-resins.com

AOC World Headquarters

955 Highway 57 East
Collierville, TN 38017

+01 901 854 2800 +01 901 854 1183 (fax)
sales@aoc-resins.com