

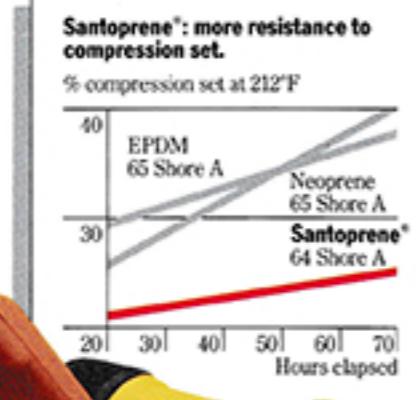
Santoprene®. Now design beyond the limits of conventional flexible materials.

Santoprene® thermoplastic rubber. Design freedom that can surpass EPDM, neoprene rubber, polyurethane or other elastomers. Performance that can go beyond nylons, polyesters, modified PPO. Here's why designers like the performance of Santoprene for dynamic parts.

Reduced finished part cost

Design rubber parts for production on cost-efficient

thermoplastic equipment—extrusion, injection molding, even blow molding. Shorten processing times by a factor of as much as 12 to 1. Skip the problems and cost of thermoset batch compounding



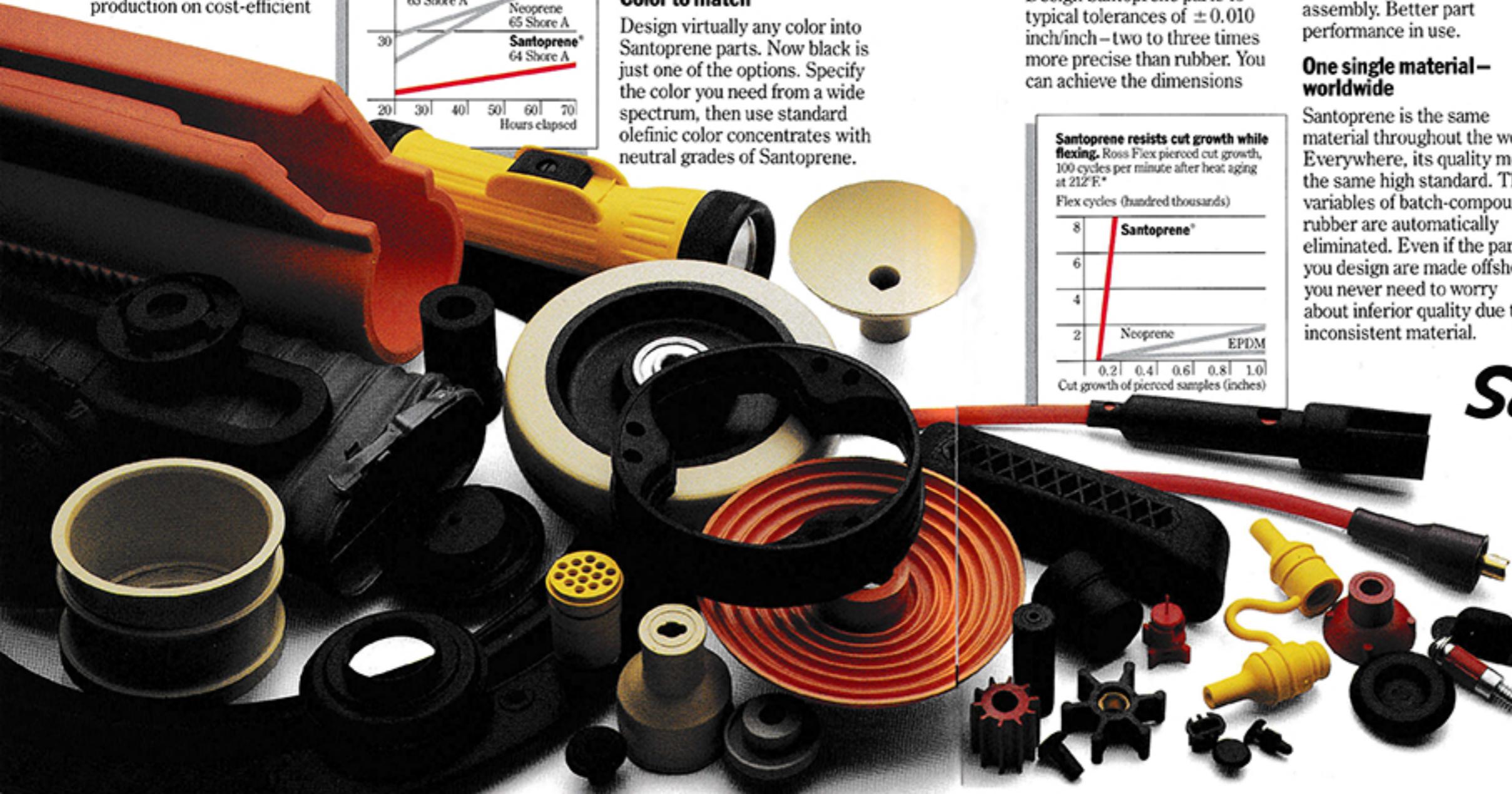
and cure times. Replace expensive, over-engineered thermoplastics.

Seal out the problems

Santoprene parts can seal tight, resist flex fatigue and abrasion. That's because excellent resistance to compression set is built in. You'll also get good resistance to many acids, bases and aqueous solutions.

Color to match

Design virtually any color into Santoprene parts. Now black is just one of the options. Specify the color you need from a wide spectrum, then use standard olefinic color concentrates with neutral grades of Santoprene.



Easier design for complex parts

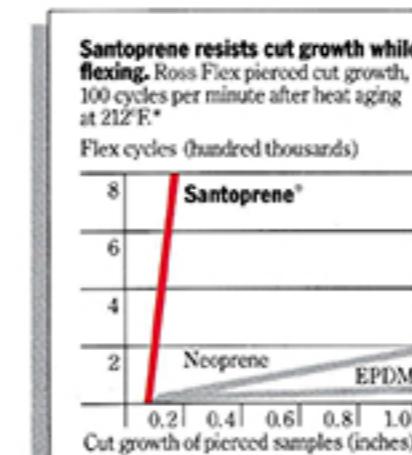
Thick and thin walls? Holes? Undercuts? A definite problem for thermosets. No problem for Santoprene. Simplify multi-part designs. Eliminate metal inserts. Create dual-durometer parts from two hardness grades.

Performance in heat and cold

Santoprene gives your parts a constant service temperature range from + 275°F to - 75°F. They stay flexible in heat and cold. No cracking or tackiness. You can't say all that about many rubber and engineered plastic parts.

Tighter part tolerances

Design Santoprene parts to typical tolerances of ± 0.010 inch/inch—two to three times more precise than rubber. You can achieve the dimensions



Santoprene. Think of the worldwide design applications:

Architectural Glazing

Dynamic seals
Weather stripping
Skylight gaskets
Setting blocks
Spacers
Wedge gaskets

Automotive

Electrical wire
Boots
Cable covers
Ducts, hose, tubing
Steering system boots
Weather seals
Gaskets, sleeves
Grommets
Stops, plugs

Appliances

Inner cavity seals
Drainage, fill sumps
Motor mounts
Vibration dampers
Fill tube connectors
Hair curlers
Door seals
Bumpers
Feet

Sheet Goods

Roofing membranes
Die-cut diaphragms
Gaskets
Liners, blankets
Pads
Seals

Electrical

Wire insulation
Cable jackets
Retractable cord
Tray cable
Welding cable
Mining cable
Strain reliefs
Connectors
Plugs
Switch boots
Insulators
Bushings

Hand & Power Tools

Handles, grips
Strain reliefs
Mechanical plugs
Motor mounts
Foot pads

Hardware and Plumbing

Faucet, toilet seals
Flapper valves
Casters
Wheel treads
Service cart wheels
Lawn mower wheels
Conveyor wheels
Rollers
Hoses, hose covers
Vacuum hoses

Hand & Power Tools

Handles, grips
Strain reliefs
Mechanical plugs
Motor mounts
Foot pads

Find out how Santoprene can give you new design freedom

in the Santoprene General Product Bulletin. Write Monsanto, Mail Code E3NH, 800 N. Lindbergh Blvd., St. Louis, MO 63167. Or call Mary Siener at (314) 694-8655 for more information.

In Canada, call Brad McCann at (416) 826-9222.



Santoprene®

THERMOPLASTIC RUBBER
by Monsanto

