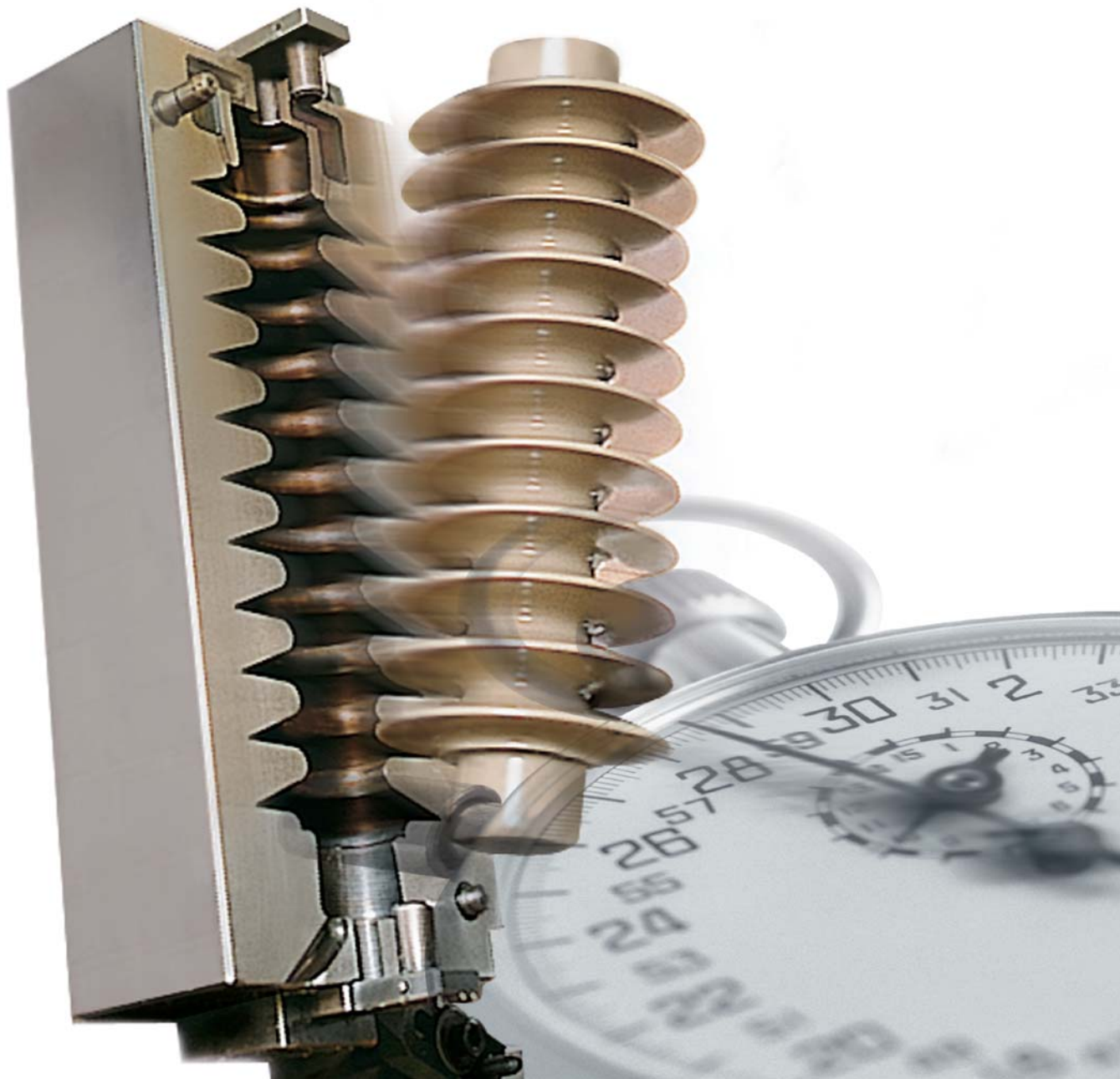


Non-post cure Araldite®

Speed in process



Non-post cure Araldite®

Speed in process



Save the post cure step – speed up your process

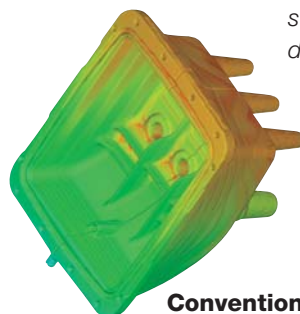
Unlike conventional casting resins for automatic pressure gelation, **Araldite®** non-post cure (NPC) systems are completely cured after removal from the mold. Thus, the time-consuming and expensive curing step after demolding disappears – what remains are the excellent mechanical and electrical properties of our **Araldite®** casting systems.

Shorter demolding times, lower molding temperatures and higher filler loads are additional benefits.

These advantages make our **Araldite®** NPC systems the preferred choice for many applications using the pressure gelation process, such as equipment parts for medium and high voltages, insulators, bushings, switches and transformers.

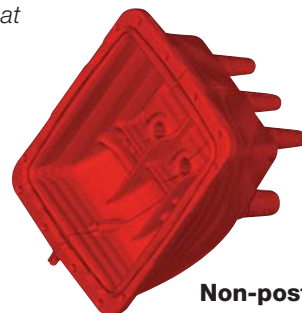
Red:
reaction complete
(99 % conversion)

Blue:
gelling state
(65 % conversion)



Conventional system
Reaction is not complete
--> post cure is necessary

*Curing state of a
switchgear part at
demolding*



Non-post cure system
Reaction is complete
--> no post cure is necessary

High savings potential

Saving the post cure step brings additional savings for the user, such as:

- >> shorter processing times
- >> lower energy and handling costs
- >> no oven space needed



Advanced product technology

The economical advantages of the new product system are backed by excellent product properties and optimized processing parameters:

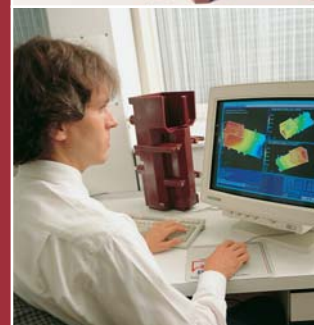
- >> molding temperatures reduced by up to 10°C
--> improved working conditions
- >> demolding times reduced by up to 20%
--> increased productivity
- >> excellent mechanical properties
- >> reliable thermal shock behavior
- >> road tanker delivery possible with unfilled systems
- >> lower viscosity compared to conventional systems due to better filler wetting
- >> high filler load of up to 65%



Key points for switching to the new **Araldite®** non-post cure systems:

Casting system	Conventional system	Non-post cure system
Full conversion after demolding	○	● ● ●
Demolding time	●	● ●
Molding temperature	●	● ●
Filler load	●	● ●
Viscosity	●	● ●
Mechanical properties	● ●	● ●
Road tanker delivery	○	● ●
Economics	●	● ● ●

● good ●● very good ●●● excellent ○ not possible



Non-post cure Araldite®

Speed in process

HUNTSMAN

Contact us directly – worldwide

Americas

Huntsman Advanced Materials Americas Inc.
Americas Customer Service Center
10003 Woodloch Forest Drive
The Woodlands
Texas 77380
USA
Tel.: +1 281 719 6000
Fax: +1 281 719 6416

Asia

Huntsman Advanced Materials (Guangdong) Company Limited
Asia Pacific Customer Service Center
Flying Geese Mountain Industrial Park
Shilou Town, Panyu City
Guangong 511447
P.R. China
Tel.: +86 20 848 65123
Fax: +86 20 848 65122

Europe

Huntsman Advanced Materials (Switzerland) GmbH
EAME Customer Service Center
Klybeckstrasse 200
4057 Basel
Switzerland
Tel.: +41 61 966 3333
Fax: +41 61 966 3334

E-mail

power@huntsman.com

DISCLAIMER

While all the information and recommendations in this publication are to the best of our knowledge, information and belief accurate at the date of publication, NOTHING HEREIN IS TO BE CONSTRUED AS A WARRANTY, EXPRESS OR OTHERWISE. IN ALL CASES, IT IS THE RESPONSIBILITY OF THE USER TO DETERMINE THE APPLICABILITY OF SUCH INFORMATION AND RECOMMENDATIONS AND THE SUITABILITY OF ANY PRODUCT FOR ITS OWN PARTICULAR PURPOSE. The sale of products referred to in this publication is subject to the general terms and conditions of sale of Huntsman Advanced Materials (Europe) BVBA or of its affiliated companies.

Araldite is a registered trademark of Huntsman LLC or an affiliate thereof in one or more, but not all, countries.

Copyright © 2005 Huntsman Advanced Materials (Switzerland) GmbH

www.huntsman.com/power