

ALPHA[®] RSA 42

Highly Activated Rosin Core Solder Wire

DESCRIPTION

ALPHA RSA 42 provides the highest activity level of any of the ALPHA Rosin Core solder wires. It provides excellent wetting action when soldering mildly to heavily tarnished surfaces of the following metals:

Copper	Brass	Tin Plated Steels	Nickel
Silver	Bronze	Iron/Nickel Alloys	

READ ENTIRE TECHNICAL DATA SHEET BEFORE USING THIS PRODUCT

FEATURES & BENEFITS

- Ideal for high melting point solders
- Excellent soldering with difficult-to-solder metals
- No cleaning necessary in non-electronic applications
- Excellent wetting action
- Low fuming

PRODUCT AVAILABILITY

ALPHA RSA 42 Highly Activated Rosin Core solder wire is available in a wide variety of core percentages. It can be packaged on 1, 5, 20 or 50 pound spools and is available in 0.015" to 0.125" diameters.

APPLICATION

ALPHA RSA 42 is recommended for difficult to solder situations such as metals with excessive oxides. Its high activity level makes it ideal for use with high melting point solder alloys such as lead-free and lead/silver. It has found great success in the lighting and canning industries. ALPHA RSA 42 should only be used in electronic applications if thorough cleaning follows the solder touch-up process.

Residues may be removed with cleaning solvents or saponifiers if necessary.

TECHNICAL DATA

Physical Properties	Typical Values
Rosin Softening Point	70 to 80 °C
Acid Value	190 mg KOH/g flux
Halide Content	2.1%
Classification	ROH1 per ANSI/J-Std-004

RECYCLING SERVICES

We provide safe and efficient recycling services to help companies meet their environmental and legislative requirements and at the same time, maximize the value of their waste streams.

Our service collects solder dross, solder scrap, and various forms of solder paste waste. Please contact your local sales representative for recycling capabilities in your area or [link here](#).



SAFETY & WARNING

It is recommended that the company/operator read and review the Safety Data Sheets for the appropriate health and safety warnings before use. **Safety Data Sheets are available at MacdermidAlpha.com/assembly-solutions/knowledge-base.**

CONTACT INFORMATION

**To confirm this document is the most recent version, please contact Assembly@MacDermidAlpha.com
www.macdermidalpha.com**

<p>North America 109 Corporate Blvd. South Plainfield, NJ 07080, USA 1.800.367.5460</p>	<p>Europe Unit 2, Genesis Business Park Albert Drive Woking, Surrey, GU21 5RW, UK 44.01483.758400</p>	<p>Asia 8/F., Paul Y. Centre 51 Hung To Road Kwun Tong, Kowloon, Hong Kong 852.3190.3100</p>
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Also read carefully warning and safety information on the Safety Data Sheet. This data sheet contains technical information required for safe and economical operation of this product. READ IT THOROUGHLY PRIOR TO PRODUCT USE . Emergency safety directory assistance: US 1 202 464 2554, Europe + 44 1235 239 670, Asia + 65 3158 1074, Brazil 0800 707 7022 and 0800 172 020, Mexico 01800 002 1400 and (55) 5559 1588

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