Quick Cure™ 275

Quick Cure 275 is a high purity, eutectic mixture of nitrate and nitrite salts, formulated specifically for curing extruded rubber profiles in the lowest possible temperature range. It is used as a molten liquid salt. It is especially effective at curing silicone profiles and sponge rubber in the 325 - 475°F. range. Quick Cure 275 can be used to cure conventional rubber profiles at higher temperatures (over 400°F). It is a high purity mixture with a sharp melting point yielding low viscosity and high fluidity at any operating temperature.

Features & Benefits

High purity	Consistent melting point Lower consumption
Low melting point	Reduced energy cost
Package flexibility	Flexible handling options
Free flowing powder	Safer addition

Typical Applications

Continuous salt bath curing of extruded rubber profiles, hose, tubing, and cable covering, made from conventional, silicone, and sponge rubber formulations.

Standard salt bath pot furnaces are available which are heated either electronically, or by gas or oil. Cast, pressed steel, welded steel or ceramic pots can be used. Ceramic pots are used only with immersion electric heaters.

Physical Data

Melting point	275ºF
Temperature range	315 ºF – 650ºF
Stable temperature limit	1100ºF
Specific gravity	116 lb/ft^3
Specific heat	0.37 calories / (gram ºC) 168 calories / (pound ºC) 1.5 BRU / (pound ºC) 0.833 BTU / (pound ºF)

Operating Conditions

Quick Cure salt baths are chemically stable, and it is necessary only to replace the drag-out loss with new Quick Cure. Removal of organic materials from the profile surface prior to salt curing will allow easier rinsing of the salt at the end of the curing operation and minimize drag-out.

Caution

May cause skin irritation. Do not get in eyes. In case of contact with skin or eyes, flush freely with water. For eyes, get medical attention.

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