

GUIDE: SELECTING THE RIGHT REFRIGERANT

Sonoco ThermoSafe offers a wide selection of refrigerants for use with its insulated containers.

This table is intended to assist you with selecting the best refrigerant for your shipments.



Refrigerant	Temperature	Recommended Use For	Other Considerations
Dry Ice	-78°C (-109°F)	Products which must be kept frozen for extended periods of time	Dry ice is regulated as a hazardous material in air transport and should not be used with products which may be damaged by extreme cold
Eutectic Gel	-23°C (-10°F)	Products which must be kept frozen	To freeze, freezer must go below -23°C Provides longer lasting protection than standard gel packs
Eutectic Gel	-1°C (+30°F)	Products which must be kept cold for long periods of time	Maintains temperature longer than standard gel packs
Standard Gel	0°C (+32°F)	Products which require refrigerated or frozen protection	Most cost-effective alternative to wet ice
MoistureGuard®	0°C (+32°F)	Products which must be protected from condensation damage	Multi-layer exterior minimizes surface condensation
Foam Brick	0°C (+32°F)	Products which require refrigerated or frozen protection	Foam bricks maintain shape when frozen or thawed
Rigid Bottle	0°C (+32°F)	Products which require refrigerated or frozen protection	Rigid bottles offer maximum durability while maintaining package configuration
Advanced Phase Change Materials	-40°C to +37°C	High value shipments or when challenging ambient conditions are expected	Maintains narrow temperature ranges for extended durations
Flex Packs	Hot or Cold	Therapeutic treatment	Can be used for either cold or warm compress

* Call for pricing and availability information regarding preconditioning services, custom printing and returnable tote programs.

