Procedural Introduction

ASTM Compliance of Glass to be used for Candles

The ASTM Standard for Candle Glass is not a testing method to be used by candle makers; it is a controlled process to be used by glass manufacturers. Compliance to the standard for a batch of candles cannot be established by testing a few samples from a glass run done in the past. Instead the candle maker must be certain that the glass maker has followed the ASTM process in making the glass and maintained the detailed documentation of no failures while performing that process.

The documentation that established compliance is created by <u>following the sampling method</u> in C-224 to pull glass samples during the glass manufacturing batch run. Those samples are then examined using a polariscope per C-148 and tested for thermal shock resilience per C-149. To be suitable for use as a candle vessel, there cannot be any failures of any samples in either test.

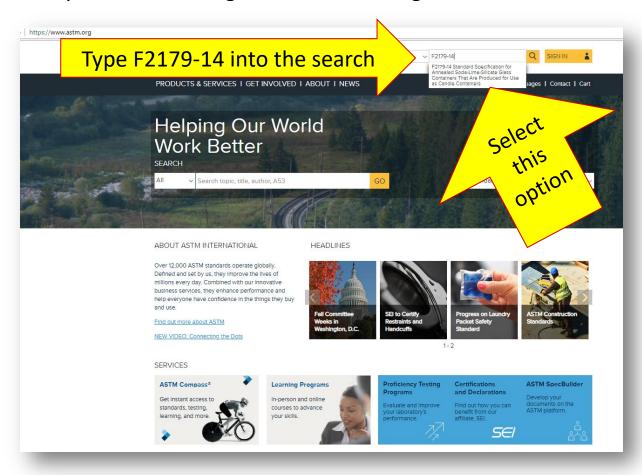
<u>Every batch of glass must be tested</u> per this F-2179 process, not just the first one. If any glass in a run fails, then everything that went through annealing in the Lehr during that batch (using the same Lehr settings) fails. The annealing process must be checked and corrected until a batch is produced with zero failures.

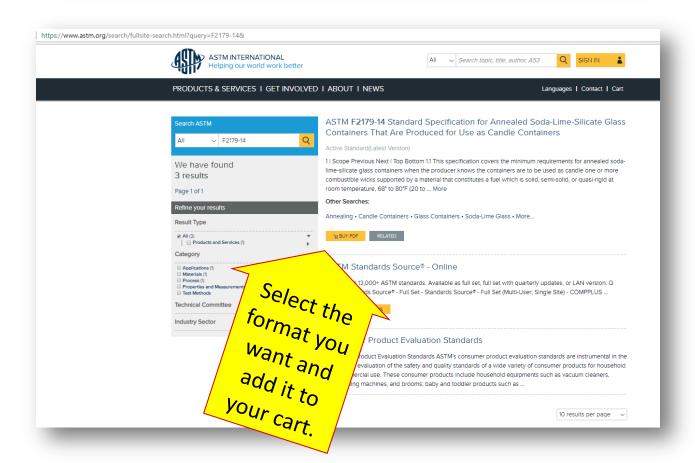
Candle manufacturers/retailers may choose to have a few pieces of glass from their batch tested independently to give them further reassurance that the glass maker was diligent, but this later testing does not confirm ASTM compliance of the batch. Only compliance to the procedure by the glass manufacturer does that.

If you would like further assistance in understanding the standards around making safer candles and implementing them in your organization, contact us about our consulting services.

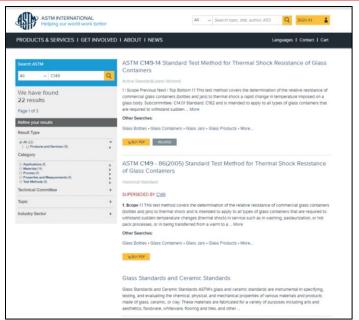


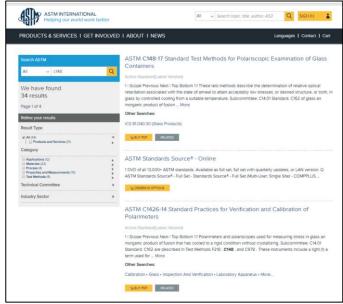
To buy the standards, go to www.astm.org

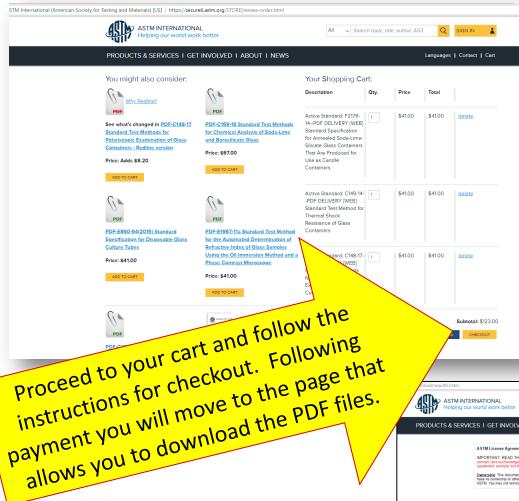




Go back to the search bar and search C148-17 and select it for purchase. Then search C149-14 and also select it for purchase.







ASTM License Agreement

IMPORTANT- READ THESE TERMS
CAREFULLY BEFORE DOWNLOADING

THIS DOCUMENT. By downloading the ASTM Document you are entering into a contract, and acknowledge that you have read this License Agreement, that you understand it and agree to be bound by its terms. If you do not agree to the terms of this License Agreement, promptly exit this page without downloading the ASTM Document.

Ownership: This document is copyrighted by ASTM International ("ASTM"), 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 USA. All rights reserved. You (Licensee) have no ownership or other rights in the ASTM Document. This is not a sale; all right, title and interest in the ASTM Document (in both electronic file and hard copy) belong to ASTM. You may not remove or obscure the copyright notice or other notices contained in the ASTM Document.

Limited License: ASTM grants you a limited, nonexclusive, non-transferable license as follows: The right to download an electronic file of this ASTM Document for temporary storage on one computer for purposes of viewing, and/or printing one copy of the ASTM Document for individual use. Neither the electronic file nor the single hard copy print may be reproduced in any way. In addition, the electronic file may not be distributed elsewhere over computer networks or otherwise. That is, the electronic file cannot be e mailed, downloaded to disk, copied to another hard drive or otherwise shared. The single hard copy print may only be distributed to others for their internal use within your organization; it may not be copied. The ASTM Document downloaded may not otherwise be sold or resold, rented, leased, lent or sub-licensed.

