

Certificate

of

Softening, Annealing and Strain Points of Glass Standard Reference Materials 715 and 716

STANDARD REFERENCE MATERIAL 715 ALKALI-FREE ALUMINOSILICATE GLASS

<i>Laboratory</i>	<i>A</i>	<i>B</i>	<i>C</i>	<i>Average</i>
Softening Point, °C -----	963	961	960	961
Annealing Point ^a , °C -----	766	765	761	764
Strain Point, °C -----	716	716	709	714

STANDARD REFERENCE MATERIAL 716 NEUTRAL GLASS

<i>Laboratory</i>	<i>A</i>	<i>B</i>	<i>C</i>	<i>Average</i>
Softening Point, °C -----	795	793	793	794
Annealing Point ^a , °C -----	575	575	573	574
Strain Point, °C -----	528	533	529	530

^a No expansion corrections have been made for the annealing and strain point determinations. These determinations were made by approved ASTM test methods.

BEAM BENDING DATA ^b

	<i>No. 715</i>	<i>No. 716</i>
Annealing Point, °C -----	762	577
Strain Point, °C -----	714	533

^b Laboratory C—a proposed alternate ASTM test method for determining these points.

REFERENCES

1. ASTM Designation: C162-56—"Standard Definition of Terms Relating to Glass and Glass Products."
2. ASTM Designation: C338-57—"Standard Method of Test for Softening Point of Glass."
3. ASTM Designation: C336-64T—" (Tentative) Method of Test for Annealing Point and Strain Point of Glass."
4. "Experimental Evaluation of Beam-Bending Method of Determining Glass Viscosities in the Range 10^8 to 10^{15} Poises"; H. E. Hagy, J. Am. Ceram. Soc. 46 [2], 93 (1963).

LABORATORIES COOPERATING IN MEASUREMENTS

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