



TEST REPORT

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Results of Tests on brick Conducted in accordance with ASTM C 67-16 Standard Test Methods for Sampling and

Testing Brick and Structural Clay Tile

05/25/2018

Name:	Glen-Gery Corporation 433 S. Pottsville Pike Shoemakersville, PA 19555	Plant:	Mid-Atlantic	*Temperature: 60 - 90F
Phone:	610-562-3076	Report Number:	GGMA-0843	*Humidity: 30% - 70%
Fax:	610-562-2084	Received Date:	05/07/2018	
		Sampled Date:	05/03/2018	
		Lot:	04805DA	
		Product Code:	72502200	

Sample Description: **Mid-Atlantic Shale Molded, Solid, Molded**

						Average	Test Date
Absorption	1	2	3	4	5		
24 Hour Submersion in Cold Water (%)	4.83	4.35	5.32	5.95	8.37	5.76	05/09/2018
5 Hour Submersion in Boiling Water (%)	9.56	9.23	10.02	11.40	12.77	10.60	
Saturation Coefficient (Ratio of 24H to 5H)	0.51	0.47	0.53	0.52	0.66	0.54	
Compressive Strength	1	2	3	4	5	Average	
<i>psi</i>	6,895	6,833	5,079	4,814	6,227	5,970	05/18/2018
<i>MPa</i>	47.5	47.1	35.0	33.2	42.9	41.2	
Breaking Load	6	7	8	9	10	Average	
<i>(lb/in.)</i>	1,103	209	904	205	377	560	05/14/2018
Efflorescence	11	12	13	14	15		
	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced		05/17/2018
IRA (Oven Dried Method)	6	7	8	9	10	Average	
<i>g/min/30 in.²</i>	18.9	18.4	14.4	25.8	25.3	20.6	05/11/2018
Abrasion Resistance	1	2	3	4	5	Average	
	0.07	0.06	0.10	0.12	0.13	0.10	05/11/2018

The brick represented by the test results shown here comply with the physical property requirements of the standards listed below:

ASTM C 216 - 17a Standard Specification for Facing Brick (Solid Masonry Units Made From Clay or Shale)
Grade: SW, MW

ASTM C 32 - 13 Standard Specification for Sewer and Manhole Brick (Made From Clay or Shale)
Grade: SM, / MM, MS

ASTM C 62 - 17 Standard Specification for Building Brick (Solid Masonry Units Made From Clay or Shale)
Grade: SW, MW, NW

ASTM C 902 - 15 Standard Specification for Pedestrian and Light Traffic Paving Brick
Class: SX, MX, NX, with **Molded Brick Alternate 5.1.5**

Type: II, III

ASTM CAN/CSA-A82-14 Fired masonry brick made from clay or shale
Grade: IG, EG

Michael Walker, Quality Manager

**The temperature and humidity of the Bishop Materials Laboratory is constantly kept between 60 -90F, and 30-70% RH*

The results shown above apply only to the samples tested, which are provided by the customer.

This test report shall not be reproduced except in full, without written approval of the laboratory.