

**Dubai Central Laboratory**  
 Engineering Materials Laboratory Section – Structural Unit  
**TEST REPORT**  
 APPARENT DENSITY OF RIGID CELLULAR PLASTICS

REPORT NO. : 2014029404 DATE : 09/04/2014  
 WEB REQUEST NO. : DCL-27032014-0114  
 REQUEST NO. : 2014017894 SAMPLE NO : 2014025706  
 PROJECT NO. : PS14-0041  
 PROJECT NAME : MODERN VENT. & INSUL.SYSTEMS FACTORY(HUYA)-K.S.A.  
 CONSULTANT : NO SPECIFIC CONSULTANT  
 CONTRACTOR : NO SPECIFIC CONTRACTOR  
 LOCATION : MODERN VENT. & INSUL.SYSTEMS FACTORY(HUYA)- DAMMAM, K.S.A.  
 SOURCE : MODERN VENT.&INSU.SYSTEMS FACTORY(HUYA)K.S.A.  
 SAMPLE DESCRIPTION : POLYISOCYANURATE RIGID FOAM INSULATION  
 SAMPLE TYPE : PIR PRE-INSULATED HVAC DUCT PANEL NOM. THICKNESS (mm) : 20  
 SUPPORT / FACING : 80 MIC"AL"FOIL ON BOTH SIDES NOM. DENSITY (kg/m<sup>3</sup>) : NG

Date of Sampling	: 19/01/2014	Time	: 10:00	Lot No.	: NG
Date of Receiving Sample	: 27/03/2014	Time	: 11:00	Lot Size	: NG
Size of Sample	: 4 Nos.	Area No.:	-	Sender No.	: NG

DATE SPECIMEN RECEIVED	27/03/2014
NOMINAL THICKNESS (mm)	20
NOMINAL DENSITY (kg/m <sup>3</sup> )	NG
PRE-CONDITIONING TEMP. & HUMIDITY	23°C, 50%RH
TEST CONDITION TEMP. & HUMIDITY	23°C, 50%RH
DATE MEASURED	31/03/2014

SPECIMEN NO.	1	2	3
AVG. LENGTH (mm)	996	1002	1003
AVG. WIDTH (mm)	500	502	502
AVG. THICKNESS (mm)	20.5	21.0	21.0
DENSITY (kg/m <sup>3</sup> )	66.4	64.7	64.6
AVERAGE DENSITY (kg/m <sup>3</sup> )	<b>65.2</b>		
STANDARD DEVIATION	<b>1.01</b>		

SAMPLED BY : ADAM MAHAT (Mfr.) TESTED BY : SANKAR RAJU  
 SAMPLES BROUGHT IN BY : COURRIER TEST START DATE : 30/03/2014  
 SAMPLING METHOD : NOT GIVEN  
 SAMPLING REPORT NO. : NG  
 TEST METHOD : ASTM D 1622 : 08  
 TEST METHOD VARIATION : NIL  
 REMARKS : THIS REPORT REPRESENTS THE SUBMITTED SAMPLE ONLY

**AUTHORIZED BY  
 HEAD OF UNIT**

**This report is computer approved, it does not require any signature**

