

Dubai Central Laboratory

Engineering Materials Laboratory Section – Structural Unit

TEST REPORT

COMPRESSIVE STRENGTH OF RIGID CELLULAR PLASTICS

REPORT NO. : 2014029403 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/m³) : 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
NOM. LENGTH (mm)	150
NOM. WIDTH (mm)	150
NOM. THICKNESS (mm)	20
NOM. DENSITY (kg/m ³)	NG
PRE-CONDITIONING (TEMPERATURE & HUMIDITY)	23±2°C, 50±5% RH
TEST CONDITION (TEMPERATURE & HUMIDITY)	23±2°C, 50±5% RH
DATE COMPRESSED	07/04/2014

SPECIMEN NO.	1	2	3	4	5
AREA OF SPECIMEN (mm ²)	22425	22801	22575	22877	22801
CROSSHEAD SPEED (mm/min)	2.00				
SPECIFIED DEFORMATION (%)	10	10	10	10	10
LOAD at SPECIFIED DEFORMATION (N)	2934.3	3157.4	3038.2	3033.3	2944.7
COMPRESSIVE STRENGTH at SPECIFIED DEFORMATION (kPa)	130.9	138.5	134.6	132.6	129.1
AVG. COMPRESSIVE STRENGTH at SPECIFIED DEFORMATION (kPa)	133.1				
STANDARD DEVIATION	3.6				

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 1621:00
 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

