TEST REPORT

DATE: 08-24-2017	Page 1 of 1	TEST NUMBER: 0240040
CLIENT	Egetaepper a/s	1E31 140/40ER. 0240040
	ASTM E662 Smoke Density (Flaming	a) Standard Test Method for Specific

TEST METHOD CONDUCTED	Optical Density of Smoke Generated by Solid Materials also referenced as NFPA 258

	DESCRIPTION OF TEST SAMPLE	
IDENTIFICATION	Highline 80/20 1400 ECT350	
CONSTRUCTION	Cut Pile	
BACKING	Attached Cushion	

Attached Cushion

Modular Collection

GENERAL PRINCIPLE

REFERENCE

This procedure is designed to measure the specific optical density of smoke generated by the test specimen within a closed chamber. Each specimen is exposed to an electrically heated radiant-energy source positioned to provide a constant irradiance level of 2.5 watts/square cm on the specimen surface. Measurements are recorded through a photometric system employing a vertical beam of light and a photo detector positioned to detect the attenuation of light transmittance caused by smoke accumulation within the chamber. The light transmittance measurements are used to calculate specific optical density, a quantitative value which can be factored to estimate the smoke potential of materials. Two burning conditions can be simulated by the test apparatus. The radiant heating in the absence of ignition is referred to as the Non-Flaming Mode. A flaming combustion in the presence of supporting radiation constitutes the Flam

	CON	DITIONS	Walk Care Care Report Actions
PREDRYING OF TEST SAMPLE CONDITIONING OF TEST SAMPLE TESTING CONDITION	24 Hours at 140° F 24 Hours at 70° F and 50% Relative Humidity As Received		
FURNACE VOLTAGE CHAMBER TEMPERATURE TEST MODE	118 V 95° F Flaming	IRRADIANCE CHAMBER PRESSURE	2.5 watts/sq cm 3" H ₂ O

AVERAGE MAXIMUM DENSITY CORRECTE	D (Dmc)	FLAMING	124
AVERAGE SPECIFIC OPTICAL DENSITY AT 4.0 MINUTES			37
	Specimen 1	Specimen 2	Specimen 3
Maximum Density (Dm)	134.0	146.0	125.0
Time to Dm (minutes)	13.5	15.0	13.0
Clear Beam (Dc)	10.0	14.0	8.0
Corr. Max Density (Dmc)	124.0	132.0	
Density at 1.5 minutes	8.0		117.0
Density at 4.0 minutes	36.0	13.0	7.0
Time to 90% Dm (minutes)		45.0	30.0
Specimen Weight (grams)	10.5	10.5	9.5
specimen weight (grams)	18.7	18.8	18.7

^{*} This sample PASSES the requirements of 450 or less.

APPROVED BY:

Lang as Bury

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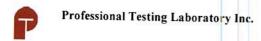
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TEST REPORT

DATE: 08-24-2017	Page 1 of 1	TEST NUMBER: 0240040
CLIENT	Egetaepper a/s	TEST NOMBER. 0240040

TEST METHOD CONDUCTED	ASTM E662 Smoke Density (Non-Flaming) Standard Test Method for Specific Optical Density of Smoke Generated by Solid Materials also referenced as NFPA 258
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FURNACE VOLTAGE CHAMBER TEMPERATURE TEST MODE	118 V 95° F Non-Flaming	IRRADIANCE CHAMBER PRESSURE	2.5 watts/sq cm 3" H ₂ O

AVERAGE MAXIMUM DENSITY CORRECT	D (Dmc)	NON-FLAMING	314
AVERAGE SPECIFIC OPTICAL DENSITY AT 4.0 MINUTES			204
	Specimen 1	Specimen 2	Specimen 3
Maximum Density (Dm)	335.0	349.0	354.0
Time to Dm (minutes)	11.5	12.0	12.0
Clear Beam (Dc)	28.0	35.0	32.0
Corr. Max Density (Dmc)	307.0	314.0	XE TRUE
Density at 1.5 minutes	66.0	75.0	322.0
Density at 4.0 minutes			78.0
Time to 90% Dm (minutes)	191.0	207.0	215.0
Speciment Williams	9.5	10.5	10.0
Specimen Weight (grams)	18.4	19.0	18.8

^{*} This sample PASSES the requirements of 450 or less.

APPROVED BY:

Lay as Bury



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