

TEST REPORT

DATE: 03-04-2020	Page 1 of 1	TEST NUMBER:	0264763
CLIENT	Egetaepper a/s		SHOULD STATE

ASTM E662 Smoke Density (Non-Flaming) Standard Test Method for Specific Optical Density of Smoke Generated by Solid Materials also
referenced as NFPA 258



DESCRIPTION OF TEST SAMPLE
Una Brick Wt
Woven Synthetic

GENERAL PRINCIPLE

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 Flaming Mode.

	CONDI	TIONS	数据的图像 医皮肤的多种 经 证证
PREDRYING OF TEST SAMPLE CONDITIONING OF TEST SAMPLE TESTING CONDITION	24 Hours at 140° F 24 Hours at 70° F an As Received	d 50% Relative Humidity	
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 CORRECTED (Dmc)		NON-FLAMING	275
AVERAGE SPECIFIC OPTICAL DENSITY AT 4.0 MINUTES			205
	Specimen 1	Specimen 2	Specimen 3
Maximum Density (Dm)	281.0	269.0	296.0
Time to Dm (minutes)	6.5	6.0	7.5
Clear Beam (Dc)	7.0	4.0	11.0
Corr. Max Density (Dmc)	274.0	265.0	285.0
Density at 1.5 minutes	4.0	3.0	9.0
Density at 4.0 minutes	202.0	194.0	219.0
Time to 90% Dm (minutes)	4.5	4.0	5.5
Specimen Weight (grams)	8.9	9.1	9.0

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

APPROVED BY:

Day asbury

RV(AP)

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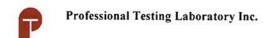
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TEST METHOD CONDUCTED	ASTM E662 Smoke Density (Flaming) Standard Test Method for Specific Optical Density of Smoke Generated by Solid Materials also referenced
	as NFPA 258



	DESCRIPTION OF TEST SAMPLE
IDENTIFICATION	Una Brick Wt
BACKING	Woven Synthetic

GENERAL PRINCIPLE

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 Flaming Mode.

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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		FLAMING	245
AVERAGE SPECIFIC OPTICAL DENSITY AT 4.0 MINUTES			276
	Specimen 1	Specimen 2	Specimen 3
Maximum Density (Dm)	275.0	284.0	294.0
Time to Dm (minutes)	4.5	5.0	5.5
Clear Beam (Dc)	38.0	41.0	46.0
Corr. Max Density (Dmc)	237.0	243.0	254.0
Density at 1.5 minutes	25.0	34.0	40.0
Density at 4.0 minutes	268.0	274.0	286.0
Time to 90% Dm (minutes)	2.5	2.5	2.5
Specimen Weight (grams)	8.6	8.5	8.2

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APPROVED BY:

Hang asbury

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