



TEST REPORT

CLIENT:	Display Products Inc 800 Fabric Xpress Way Dallas TX 75234	REPORT NUMBER:	31661B
		LAB TEST NUMBER:	1644-3271
		DATE:	September 1, 2005

SUBJECT: Testing Services Inc was instructed by the client to perform testing to determine the specific optical density of smoke generated by solid materials and assemblies mounted in a vertical position.

TEST PROCEDURE: *ASTM E 662: Standard Test Method for Specific Optical Density of Smoke Generated by Solid Materials, also complies with NFPA 258.*

SCOPE OF TEST: This test method employs an electrically heated radiant-energy source where the test specimens are exposed to either flaming or non-flaming (or both modes) conditions within a closed chamber. A photometric system with a vertical light path is used to measure the varying light transmission as smoke accumulates. The light transmittance measurements are used to calculate specific optical density of the smoke generated during the time period to reach the maximum value.

SAMPLE ID: RasterPrint™ Carpet

CHAMBER CONDITIONS:

Radiometer Output:	8.1 MV
Furnace Voltage:	117 V
Pressure:	Positive Under Three Inches of Water
Irradiance:	2.5 watts/cm. ²
Burner Fuel:	Propane

TEST DATA:

	FLAMING			NON-FLAMING		
	1	2	3	1	2	3
Specimen Number:						
Time to Attain TM (Minutes)	5.8	5.3	5.8	13.2	10.8	18.96
Specific Optical Density (Ds) at 1.5 min.	38	47	13	3	3	2
Specific Optical Density (Ds) at 4.0 min.	90	119	76	67	80	57
Maximum Specific Optical Density (DM)	96	129	81	333	230	291
Clear Beam (DC)	13	12	11	15	4	9
DMC (Corrected DM)	83	117	70	318	226	282

TEST RESULTS:

	FLAMING	NON-FLAMING
Average Ds, 1.5 Min.	33	3
6.5Average Ds, 4.0 Min.	95	68
62A47v55erage DM	102	285
Average272 316DM, (Corrected)	90	275

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 Testing Services Inc