

MathML XSLT Browser Display - Microsoft Internet Explorer

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Material Description

Name: Carpet 3_HOD93
Class: FLOOR MATERIALS
Subclass: Carpet- synthetic fiber
Specification: [NAICS 31411](#)
Notes: Residential; Propylene primary backing; Polyvinylchloride secondary backing; 100% nylon-6; textured loop construction; solution dyed; Scotchgard and antimicrobial fiber treatments; 44 x 46 cm tiles; glue down installation

Contaminant Description

Name: 2,2,4-Trimethylpentane
Specification: [CASN 540-84-1](#)
Notes: Molecular weight is 114 amu.

Contaminant Property Data

Mean Emission Factor (ug/m²/h): 60 ± 7.7
Measurement Time (hours): 24
Sample Volume (m³): 0.0013 - 0.01

Data Source Details

Name: Hodgson, A.T., Wooley, J.D., Daisy, J.M. (1993). Emissions of Volatile Organic Compounds from New Carpets Measured in a Large-Scale Environmental Chamber
Notes: Data were abstracted from the publication.

Measurement Technique Details

Name: GC/MS
Notes: Model description is Steady-state emission rate; the model equation is $S = G$ where G = generation rate; 1 coefficient(s), coefficient 1 (G) is 60 (ug/m²/h); and the source model type is Constant Coefficient

Sample Details

Name: Carpet 3_HOD93
Notes: Sample surface area (m²) was 8.76. Sample loading (m²/m³) was 0.44. Product age (h) was 528. Number of measurements was 2. Only one measurement for formaldehyde and acetaldehyde; at least two measurements for other chemicals; product age = 3 weeks after manufacture + 24 h sample time.

Test Conditions

Figure 2 — XSLT rendering of MatML document in a Web browser.