

**POLYVINYL CHLORIDE (PVC), FLEXIBLE, 65A
DUROMETER HARDNESS, INTERIOR, LOW
GLOSS, UV STABILIZED****WSS-M4D871-A5****1. SCOPE**

The materials defined by this specification are flexible polyvinyl chloride compounds that do not require painting and are UV stabilized in 100% matched interior colors.

2. APPLICATION

This specification was released originally for materials used for interior trim applications such as armrests, grab handles and other applications, 100% color matched, UV stabilized in interior colors and do not require painting.

3. REQUIREMENTS

Material specification requirements are to be used for initial qualification of materials.

3.0 STANDARD REQUIREMENTS FOR PRODUCTION MATERIALS

Material suppliers and part producers must conform to the Company's Standard Requirements For Production Materials (WSS-M99P1111-A).

3.4 MOLDED TEST SPECIMENS**3.4.1 Preparation of Test Specimens**

Unless otherwise specified, all tests shall be conducted on specimens die cut from ungrained compression molded plaques 150 x 150 x 2.0 +/- 0.2 mm molded according to ISO 293.

3.4.2 Density, g/cm³, max 1.35
(ISO 1183, Method A)

3.4.3 Hardness, Durometer A 66 +/- 9
(ISO 868, 15 s delay)

3.4.4 Tensile Strength, MPa, min 9
(ISO R 527, Type 2, 500 mm/minute
test speed)

3.4.4.1 Elongation at Break, %, min 220%
(Test Method according to
para 3.4.4)

Date	Action	Revisions
2006 09 29	Revised	Paragraph 3.5, 3.5.1 & 3.5.2; Added 3.5.3.
2006 05 22	Revised	Inserted 3.0; Deleted 3.1, 3.2, 3.3, 3.7, 3.8 & 4
1998 03 04	Activated	

**Documents**

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3.4.5	Tear Strength, kN/m, min (ISO 34, Method B, Procedure A)	17
3.4.6	Cold Flexibility, °C (FLTM BN 102-01, except specimen 25 x 150 mm, min and 19 - 20 mm mandrel)	-34 No cracking at specified temperature
3.4.7	Soiling and Cleanability (NAAO Molders only) (FLTM BN 112-01)	
	Soiling, %, max	15
	Cleanability, %, max	5

- 3.4.8 Color Stability
(ISO 188, 168 h at 100 +/- 2 °C)

After exposure the material shall not exhibit color change in excess of rating 4 of Gray Scale rating (AATCC Evaluation Procedure 1/ISO 105-A02).

In addition there shall not be any staining, spewing, loss of gloss.

- 3.4.9 Heat Aging Performance
(ISO 188, 150 +/- 50 air changes/h,
1000 h at 85 +/- 2 °C. Unaged
property values shall be determined
at the time of the aged properties
determination)

3.4.9.1	Tensile Strength Change (Test Method per para 3.4.4)	-15% max
3.4.9.2	Elongation Change (Test Method per para 3.4.4)	-15% max
3.4.9.3	Weight Change, max (50 x 25 x 2 +/- 0.2 mm specimen)	-2% max

- 3.4.10 Contact Migration Staining
(FLTM BN 103-01)

The surface shall show no evidence of injurious exudation, adhesion (tackiness), color or material transfer.