PSS-1000 Optical Sheet



Chemical Stress Crazing Test

PURPOSE

Determine the stress threshold at which the material would craze in contact with unleaded gasoline.

TEST METHOD

ASTM F791-96

TEST PROCEDURES

The specimens were tested in accordance with Procedure A - Craze Stress Iteration per ASTM F791-96. Each specimen was loaded for 10 minutes and visually inspected under load before the addition of the gasoline. The gasoline was in contact with the specimen for 30 minutes for each iteration. The room environment was 72 to 74°F and 20 to 23% R.H. during the test.

RESULTS

The critical crazing stress determined by ASTM F791 Method A:

MATERIAL	CHEMICAL	CRITICAL CRAZING STRESS
PSS-1000 sheet	GASOLINE	2750±250 PSI
Polycarbonate	GASOLINE	1750±250 PSI

Photographs documenting significant observations were taken during the examination:

PSS-1000 Sheet

Polycarbonate

Testing performed February 13, 2012 by Materials Evaluation and Engineering, Inc

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