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# INDEPENDENT TEST REPORT

# WEATHERING OF PLASTIC FILMS

**INDEPENDENT LABORATORY:**

CIBA SPECIALITY CHEMICALS INC.
ADDITIVES TECHNICAL SKILL CENTER
KLYBECKSTR. 141
BASEL 4002
SWITZERLAND
TEL.: +41 61 636 61 00
FAX.: +41 61 636 84 14
patechline@cibasc.com

**TESTED MATERIAL:**

A) UNPROTECTED POLYESTER FILM B)
ISOLPAK ALU UV-PROTECTED COVER FILM

**TESTING STANDARD:**

ASTM G 26A: RECOMMENDED PRACTICE FOR OPERATING LIGHTEXPOSURE APPARATUS (XENON-ARC-TYPE) WITH AND WITHOUT WATER FOR EXPOSURE OF NONMETALLIC MATERIALS THIS STANDARD IS EQUIVALENT TO ISO 4892.

**TESTING PERIOD:**

2003 - 2004

**WEATHERING EQUIPMENT:**

ATLAS WEATHEROMETER (WOM) CI SERIES
XENON LAMP WITH 2 BOROSILICATE FILTERS

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**TEST CONDITIONS:**

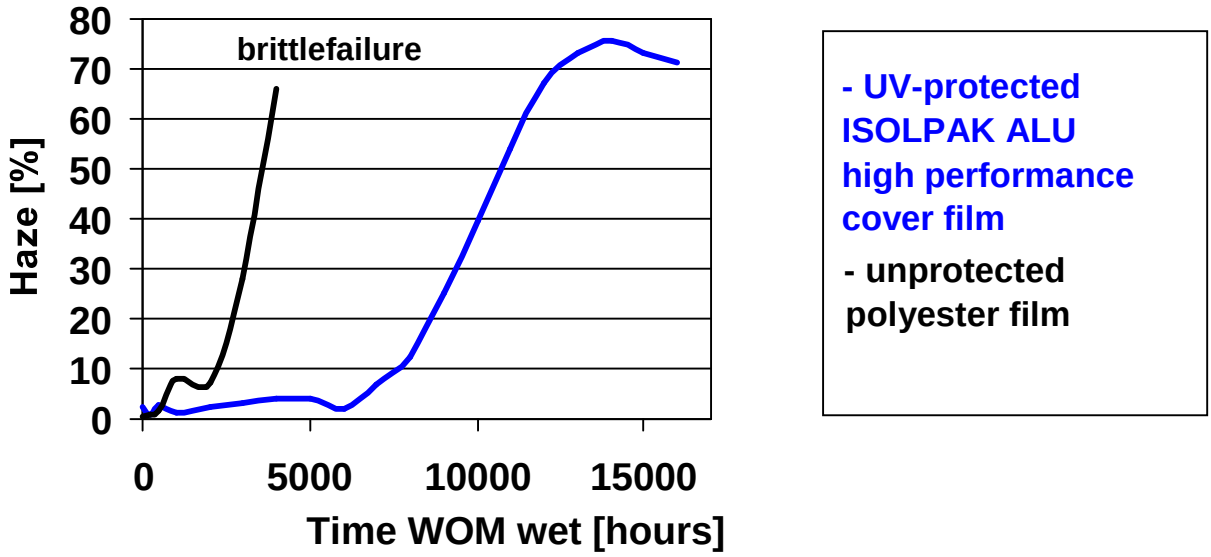
- UV radiation with 0,35 W/m² at 340 nm
- 63 +/- 3°C BLACK PANEL TEMPERATURE (CONTROLLED)
- 42 +/- 4°C DRY BULB TEMPERATURE (CONTROLLED)
- 50 - 60% RELATIVE HUMIDITY DURING DRY PERIOD (CONTROLLED)

**TEST CYCLE:**

- 102 MINUTES DRY PLUS UV-RADIATION
- 18 MINUTES WATER SPRAY PLUS UV RADIATION **TEST**

**RESULT:**

**ISOLPAK ALU cover film versus unprotected polyester film of the same thickness**




**Outdoor weathering simulation according to ASTM G26 A performed at Ciba SC Plastic Additives Technical Skill Center**

THE SELF EXPLANATORY TEST RESULT SHOWS THAT THE UV-PROTECTED ISOLPAK ALU COVER FILM IS LONG TERM RESISTANT AGAINST HAZE EVEN UNDER THE ABOVE SPECIFIED AGGRESSIVE TESTING CONDITIONS.