

## **INDEPENDENT TEST REPORT**

### **WEATHERING OF PLASTIC FILMS**

#### **INDEPENDENT LABORATORY:**

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#### **TESTED MATERIAL:**

A) UNPROTECTED POLYESTER FILM  
B) PROCLAD UV-PROTECTED COVER FILM

#### **TESTING STANDARD:**

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

#### **TESTING PERIOD:**

2013 - 2014

#### **WEATHERING EQUIPMENT:**

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



### **TEST CONDITIONS:**

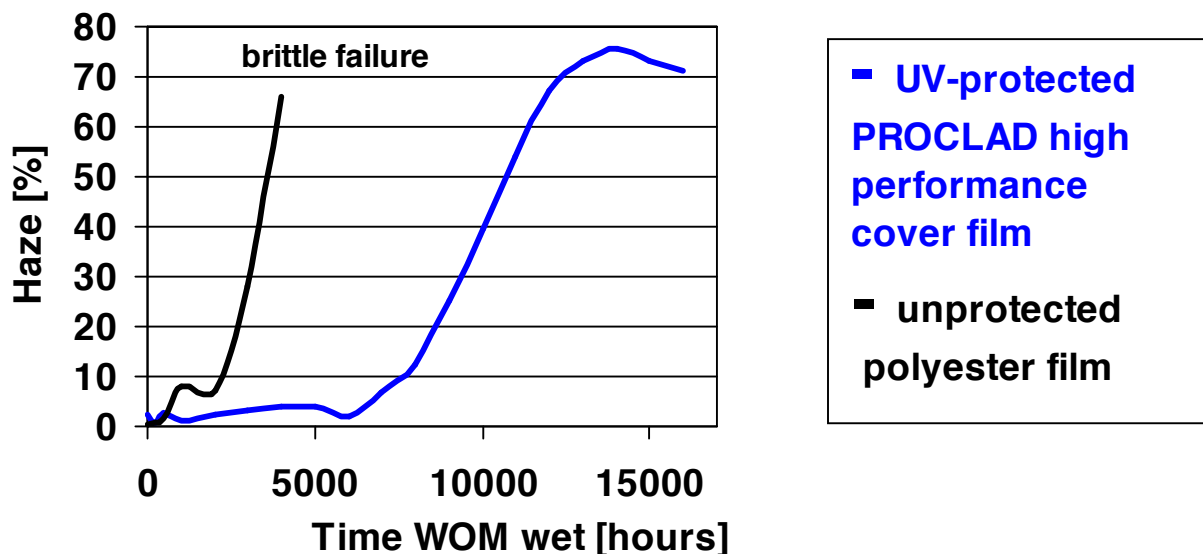
- UV radiation with 0,35 W/m<sup>2</sup> at 340 nm
- 63 +/- 3°C BLACK PANEL TEMPERATURE (CONTROLLED)
- 42 +/- 4°C DRY BULB TEMPERATURE (CONTROLLED)
- 50 - 60% RELATIVE HUMIDITY DURING DRY PERIOD (CONTROLLED)

### **TEST CYCLE:**

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

### **TEST RESULT:**

**PROCLAD 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 PROCLAD COVER FILM IS LONG TERM RESISTANT AGAINST HAZE AND BRITTLINESS EVEN UNDER THE ABOVE SPECIFIED AGGRESSIVE TESTING CONDITIONS.