

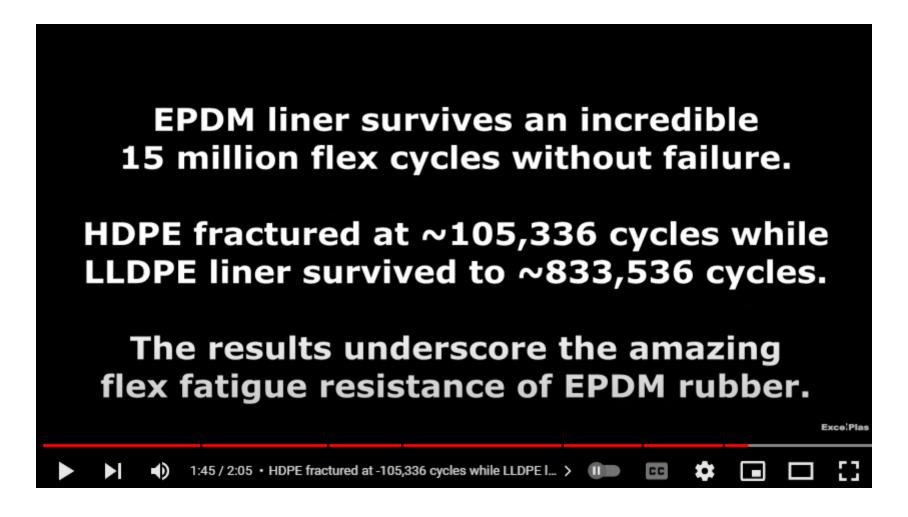






- Not aware of current industry geomembrane test method for flexibility & fatigue properties
- Numerous adapted test methods
- Cycle Testing to determine material flexibility & fatigue properties
- Expectation different flexibility rates by material resins & material types
  - > EPDM / PVC / PP / LLDPE / HDPE
  - > Reinforced versus Non-Reinforced
- Certain applications do not require high fatigue properties
  - > Liners / Covers / Baffle Curtains
  - > Landfill or biog Gas Covers, Floating Covers
- Should the FGI take the lead role in defining a flexibility test and test methods?

- ASTM D6182-00 (2015) Standard test method for flexibility and adhesion of finish on leather
- ISO 32100: 2018 Rubber- or plastics-coated fabrics Physical and mechanical tests — Determination of flex resistance by the flexometer method
- AS 4878.9-2001- Methods Of Test For Coated Fabrics Determination Of Resistance To Damage By Flexing
- ISO 7854:1995 Rubber- or plastics-coated fabrics Determination of resistance to damage by flexing
- ASTM D2097 Standard Test Method for Flex Testing of Finish on Upholstery Leather
- ASTM D882 test method for testing tensile properties of thin plastic sheeting.
- ASTM 5323-19a Standard Practice for Determination of 2 % Secant Modulus for Polyethylene Geomembranes



https://www.youtube.com/watch?v=sIntG2b D07s