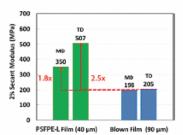
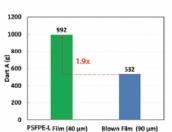
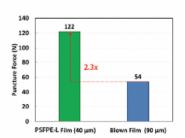
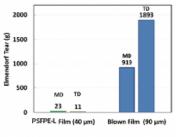
CYCLPAC

Material Properties CPDL & CPDLS









14.1

Blown Film (90 µm)

Haze

Better

PSFPE-L Film (40 µm)

16

14

12

8 6

٨

2

Modulus

- 1.8x improvement in MD modulus and 2.5x improvement in TD modulus
- 40mu CPDL film has a similar stiffness to 90mu blown film, which supports downgauging

Dart Impact

- The dart impact standard test mimics a package dropped onto the ground from a certain height
- CPDL films shows 1.9x higher dart impact than a blown film though it is much thinner

Puncture Test

- The puncture test measures the resistance of a packaging material to a sharp object inside or outside of the package
- CPDL film shows 2.3x improvement inn puncture force

Gloss

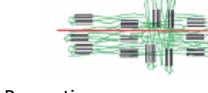
PSEPE-L Film (40 µm)

20

10

Easy Tear

- Lower tear of CPDL film allows consumers to open the package more easily
- Lower tear of the CPDL film is due to its highly orientated cross directional type of morphology



100 90 80 70 Better (x) 800 10 40 Higher = 30

Blown Film (90 µm)

Optical Properties

Lower haze and higher gloss for CPDL film, which can be attributed to its smaller cross directional type of crystals and smooth surface



Texar path

info@cyclpac.com