Brand: CNCGLASS

Company: CNC Ucolin Interlayer Technology Co., Ltd.

Address: SHENZHEN, GD, CHINA

Peter Lin | cnc@cncGlass.com | WhatsApp/Mobile +86 15013829504 | WeChat wecan365 | www.cncglass.com

TECHNICAL NOTE

SGP Ionoplast Interlayer Mechanical Property Notes for Laminated Glass Buyers

By Peter Lin

CNCGLASS · Why mechanical film data sits next to laminate impact data

Fabricators comparing ionoplast grades ask for tensile, tear and elongation figures before they freeze a stack. This article restates CNCGLASS SGP ionoplast film mechanical observations from report SZIN1712016085PS in plain English.

Tech note (public method context): Film methods used here: tear strength ASTM D624-00(2012); tensile strength ASTM D638-14; elongation at break ASTM D412-16 Method A. These are film / sheet methods—not façade impact classes.

CNCGLASS · Product and specimen

Material: clear ionic interlayer film (CNCGLASS SGP ionoplast family). Receipt 1 Dec 2017; testing through 11 Dec 2017.

CNCGLASS · Observed results

Property	Method	Result
Tear strength	ASTM D624-00(2012)	165.4 kN/m
Tensile strength	ASTM D638-14	37.7 MPa
Elongation at break	ASTM D412-16 Method A	330%

CNCGLASS · What this means for glaziers and buyers

- High tear and ~38 MPa tensile support structural-interlayer talk tracks versus soft PVB grades.
- 330% elongation shows the film can stretch before break—useful when discussing residual laminate integrity after glass fracture.
- Match gauge and conditioning when comparing vendor charts; ask CNCGLASS for the specimen data sheet if a consultant wants raw tables.

CNCGLASS · Contact

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