

TECHNICAL DATA SHEET: IMPACT GUARD (IG) SERIES PRODUCT



EFFECTIVE: 7/1/2024



TECHNICAL SPECIFICATIONS:

- ✓ FMVSS-302 APPROVED | FLAME RESISTANT FOR USE IN AUTOMOTIVE APPLICATIONS
- ✓ E84 FLAME TEST APPROVED | SOME CONFIGURATIONS ARE APPROVED FOR CLASS 2 AND CLASS 3 HOME CONSTRUCTION
- ✓ FDA APPROVED | WITH FILMS APPLIED FOR FOOD CONTACT
- ✓ COEFFICIENT OF THERMAL EXPANSION | DIMENSIONALLY STABLE
- ✓ QUV TESTED | PRODUCT AND FILMS TESTED TO 10K MINIMUM HOURS FOR UV EXPOSURE STABILITY

MECHANICAL PROPERTIES:

IG SERIES	IG03	IG06	IG09	IG12
PILES OF TAPE	3	6	9	12
NOMINAL AREA WEIGHT (lbs/ft ²)	0.25	0.61	0.87	0.96
NOMINAL THICKNESS (in)	0.040	0.090	0.135	0.155
NOMINAL FLEXURAL MODULUS - MAJOR DIRECTION (ASTM D790) (ksi)	880	1680	1700	1700
NOMINAL FLEXURAL MODULUS - MINOR DIRECTION (ASTM D790) (ksi)	195	840	1050	1010
NOMINAL FLEXURAL STRENGTH - MAJOR DIRECTION (ASTM D790) (ksi)	18	19	22	19
NOMINAL FLEXURAL STRENGTH - MINOR DIRECTION (ASTM D790) (ksi)	4	14	16	15

TOLERANCES ⁽¹⁾:

IG SERIES	IG03	IG06	IG09	IG12
PILES OF TAPE	3	6	9	12
LENGTH	±1/8"	±1/8"	±1/8"	±1/8"
WIDTH	±1/16"	±1/16"	±1/16"	±1/16"
THICKNESS	±1/64"	±1/64"	±1/64"	±1/64"

[1] Dimensional tolerances provided are assuming a 4'x8' sheet. The length tolerance opens to ±1/4" for product >108".

CONTACT INFO:

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