Overview provided: IS 2835:1987 is the Indian Standard for flat transparent sheet glass, covering requirements and methods of sampling and testing for glass used primarily for glazing in doors, windows and partitions, including nominal thickness, dimensional tolerances, optical distortion and visual defects.

Table 1 | Thickness and Cut-Size Tolerances

Clauses 4.2 and 4.2.1 | All dimensions in mm

Nominal thickness	Range of thickness	Tolerance on cut sizes (±)
1.0	0.85 - 1.15	1.5
1.5	1.35 - 1.65	1.5
2.0	1.80 - 2.20	1.5
3.0	2.80 - 3.20	1.5
3.5	3.30 - 3.70	2.0
4.0	3.80 - 4.20	2.0
5.0	4.70 - 5.30	2.0
5.5	5.20 - 5.80	2.0
6.3	5.90 - 6.70	2.0
8.0	7.50 - 8.50	3.0
10.0	9.50 - 10.50	3.0
12.0	11.00 - 13.00	3.0
15.0	13.50 - 16.50	4.0
19.0	17.00 - 21.00	4.0
25.0	22.00 - 28.00	5.0
32.0	28.50 - 35.50	6.0

Table 2 | Distribution of Allowable Defects

Clauses 4.3 and A-2.2 | Central and outer areas as defined in the standard.

Sl.	Defect	AA central	AA outer	A central	A outer	B central	B outer	Remarks
i	Gaseous inclusion, max size (mm)	1.0	2.0	3.0	6.0	12.0	18.0	At least 30 cm apart
ii	Opaque gaseous inclusion, max size (mm)	Nil	0.5	3.0	6.0	6.0	12.5	At least 60 cm apart
iii	Knots, dirt and stones*, max size (mm)	Nil	1.0	1.0	1.0	1.5	2.0	At least 60 cm apart
iv	Scratches, rubs and crush	Faint	Faint	Faint	Light	Light	Medium	At least 60 cm apart; see 2.19
v	Bow, percent, max	0.25	0.25	0.5	0.5	1.0	1.0	See 5.3
vi	Reams, strings and lines	Light	Light	Light	Light	Medium	Heavy	See 2.20 and 5.4
vii	Waviness (mm)	10	10	15.0	15.0	20.0	20.0	See Appendix A
viii	Sulphur stains	Nil	Nil	Nil	Nil	One inco nspicuous allowed	One inco nspicuous allowed	
ix	Corner breakage and chip	Not more than nominal thickness	Not more than nominal thickness	Not more than nominal thickness	Not more than nominal thickness	Not more than nominal thickness	Not more than nominal thickness	

Note: C quality sheet glass may have defects of any size or intensity but must not have stones or knots that may cause breakage. * No stone or knot which hinders serviceability for the automobile industry is allowed.

Table 2A | Allowable Clusters of Defects

Items (i), (ii) and (iii) refer to Table 2.

Sheet glass quality	Central area	Outer area
AA	Nil	One cluster of maximum 3 defects: only one from item (iii), and two from either item (i) or (ii), or one each from (i) and (ii), in an optional circle of 30 cm diameter.
A	One cluster of maximum 3 defects: only one from item (iii), and two from either item (i) or (ii), or one each from (i) and (ii), in an optional circle of 30 cm diameter.	One cluster of maximum 5 defects of types (i), (ii) and (iii); no more than one stone, within an optional circle of 30 cm diameter.
B	One cluster of maximum 3 defects: only one from item (iii), and two from either item (i) or (ii), or one each from (i) and (ii), in an optional circle of 30 cm diameter.	One cluster of maximum 6 defects of types (i), (ii) and (iii); no more than one stone, within an optional circle of 30 cm diameter.