

	BOROSIL RENEWABLES LIMITED	DOC. NO: L2/016 ANNEX-6
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	SPECIFICATION FOR LOW IRON SOLAR TEXTURED (ANTI GLARE GLASS) for – (TEMPERED)	REV. NO: 00
		REV. DATE:-

Parameters	Test Method / Standard	Specification		
DIMENSIONS, PHYSICAL AND EDGE QUALITY				
Dimensional (L x W) mm		As per Specified Dimensions		
Dimensional Tolerance (L x W) mm	Tape	Length \pm 1.5mm, Width \pm 1.5 mm		
Nominal Thickness (mm)	Disc Micrometer (ϕ 20mm)	3.2 mm \pm 0.2 mm		
Density of Glass	Sink & Float method	2.5 gm/cm ³ (Typical)		
Angularity (Maximum difference in diagonal lengths in mm)	Tape	Maximum 3 mm		
Corner Cut (Tape)	Tape	Min – 1.0 mm, Max - 4.0 mm		
Edge Processing	Visual	At least Seamed		
Shells (Max: L x W x D)	Visual Tape	12 mm x 2 mm x 1 mm		
General Bow	EN 12150-1:2015	4.0 mm / M		
Local Bow	EN 12150-1:2015	0.5 mm / 300 mm		
Light Transmittance Tv	AM 1.5 , 380 – 1100 nm	\geq 90.0%		
Luminance	BRDF	Lv , 10 ⁰ \leq 20000 cd/m ²		
Surface Roughness Value Average (Ra)	Surface Roughness Tester	6 – 16 μ m		
Iron content In Glass (PPM)	AAS	\leq 120 PPM		
Fragment particles (test area of 50 x 50 mm)	EN 12150-1:2015	Min. 40 pcs. For 3.2 mm		
Mechanical Strength (N/ mm ²)	EN 12150-1 : 2015	$>$ 90 N/ mm ²		
GLASS QUALITY				
Test criteria (EN 572 – 5 : 2012 / 5.2.1) The glass pane to be examined is illuminated in conditions approximating to diffuse light and is observed in front of a matt grey screen Place the pane of Glass to be examined vertically 3 m in front of parallel to a matt grey screen. Arrange the point of observation 1.5m from the glass, keeping the direction of observation normal to the glass surface.	Spherical bubbles/core/solid inclusions per m²			
	Diameter		Max Allowed	
	\leq 0.5 mm		Unlimited	
	$>$ 0.5 - \leq 1.5 mm		6	
	$>$ 1.5 - \leq 3.0 mm		2	
	$>$ 3.0 mm		0	
	Longitudinal bubbles per m²			
	Length	\leq 10 mm	$>$ 10mm - \leq 25 mm	$>$ 25 mm
	Width $<$ 1 mm	4	2	0
	Width $>$ 1.0 - \leq 2.0 mm	2	0	0
Width $>$ 2.0 mm	0	0	0	
Scratches per m²				
Width	\leq 5.0 mm	$>$ 5.0 mm – \leq 10.0 mm	$>$ 10.0 mm – \leq 25 mm	
$<$ 1.0 mm	4	2	1	
$>$ 1.0 mm	0	0	0	
Cleanliness	Irremovable dirt is not permitted			

Note: In addition to above

- Scratches on pattern side are allowed.
- Scratches, rubbing marks and dirt within 5mm of the border on both side permitted.
- Pattern aberrations at isolated locations are permitted

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