

DUKE

Technical Datasheet

25
YEARS
PRO RATA
WARRANTY

Dimension	thickness (d)	$\pm 0,5 \text{ mm} \cdot d_{\text{max}} - d_{\text{min}} \leq \pm 0,5 \text{ mm}$
	length	$\pm 1 \text{ mm}$
	width (b)	$\pm 0,25 \text{ mm} \cdot b_{\text{max}} - b_{\text{min}} \leq \pm 0,25 \text{ mm}$

TOLERANCE

Squareness	EN 14354	$\leq 0,20 \text{ mm}$
Straightness	EN 14354	$\leq 0,30 \text{ mm}$
Openings	EN 14354	$\leq 0,20 \text{ mm}$
Lipping	EN 14354	$\leq 0,15 \text{ mm}$

TEST

Resistance to Chemicals	ASTM 1308	No Change
Falling-Ball Indentation	ASTM 2494	No Crack
Gloss value	ASTIM 1455	8.4
Scratch Resistance	ISO 1518	Visible scratch on the surface, but no penetration to the substrate
Impact Resistance	EN 13329	Crack
Castor chair test	ISO 4918	No change in appearance or damage
Effect of a furniture leg	ISO 16581	No visible damage
Breaking strength		$\geq 4900 \text{ N}$
Wet Swell	ISO 4760	No change
LRV	BS 8493	25 - 40

ENVIRONMENT

emission of formaldehyde	EN 717	Class E1
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PHYSICAL BEHAVIOR

Fire CHF	ISO 9239	$\leq 4.5 \text{ kW/m}^2 \geq 2.2 \text{ kW/m}^2$
Topical Moisture Resistance	ISO 4760	No migration of water to the underside
Dry Floor Friction	AS 4586	D1
Wet Pendulum Test	AS 4586	P3