

## PHYSICAL PROPERTIES OF HIGH PRESSURE LAMINATE (HPL)

**Brand** : Laminate Kingdom (LK) - High pressure decorative laminate (HPL)  
**Size** : 1220x2440mm  
**Thickness** : 0.7mm  
**Resin** : Phenolic  
**Layer** : 6 layers inclusive of Overlay, Decorative paper, 4 layers of Kraft paper

### TEST RESULTS:

Property	Test method (EN 438-2:2016, Clause no. Unless otherwise stated)	Property or attribute	Unit	Laminate grade		
				HDS HDP	HGS HGP	VGS VGP
Resistance to surface wear	10	Wear resistance	Revolutions (min) Initial point	350	150	50
Resistance to immersion in boiling water	12	Appearance	Rating (min) gloss finish other finishes	3 4	3 4	3 4
Resistance to impact by large diameter ball (optional)	21	Drop height Indent diameter	mm (min) mm (max)	1000 10	800 10	600 10
Resistance to scratching	25	Force	Rating (min) smooth finishes textured finishes	3 4	2 3	1 2
Resistance to Staining	26	Appearance	Rating (min) groups 1 & 2 group 3	5 4	5 4	5 4
Light fastness (xenon arc)	27	Contrast	Grey scale rating	4 to 5	4 to 5	4 to 5

*Actual specifications of each laminate is different due to application, surface and purpose of usage of laminate.*

*This specification is for reference only. Subject to change without prior notice.*

*Result not applicable for 0.5mm to 0.6mm thickness.*

*Result not applicable for gloss surface, metal, pearlescent, lacquer laminate.*