

## Formica® VFP Grade Laminate: Physical Properties

Property	EN 438-2 Test Method	Typical Value	Specification Limit
Wear resistance	6	450 revolutions	150 minimum
Boiling water resistance	7	10.1% mass 10.3% thickness	18.0 maximum 21.0 maximum
Dry heat resistance	8	Rating 5	-----
Dimensional stability at elevated temperature	9	L 0.24% T 0.64%	0.63 maximum 1.12 maximum
Dimensional stability at ambient temperature	10	L 0.12% T 0.31%	0.42 maximum 0.68 maximum
Impact resistance	11	25 Newtons	15 minimum
Cracking resistance	13	Rating 5	4 minimum
Scratch resistance	14	3.5 Newtons	1.75 minimum
Stain resistance	15	(Reagents 1+2) 5 (Reagents 3+4) 5	5 minimum 3 minimum
Lightfastness	16	Wool standard 7	6 minimum
Cigarette resistance	18	Rating 4	-----
Formability	20	15mm	-----
Blister resistance	22	30 secs	-----
Steam resistance	24	Rating 5	3 minimum
Fire performance	BS 476-7	Class 1 (when bonded to Class 1 flame-retardant substrate)	-----
	UK Building Regulations	Class 0 (when bonded to Class 0 substrate)	-----