

Formica ColorCore® Laminate: Physical Properties

Property	EN 438-2 Test Method	Typical Value	Specification Limit
Wear resistance	6	> 1000 revolutions	350 minimum
Boiling water resistance	7	3.6% mass 3.0% thickness	8.3 maximum 9.7 maximum
Dry heat resistance	8	Rating 5	4 minimum
Dimensional stability at elevated temperature	9	L 0.35% T 0.64%	0.48 maximum 0.93 maximum
Dimensional stability at ambient temperature	10	L 0.16% T 0.28%	0.34 maximum 0.54 maximum
Impact resistance	11	39 Newtons	20 minimum
Cracking resistance	13	Rating 5	4 minimum
Scratch resistance	14	4.0 Newtons	2.0 minimum
Stain resistance	15	(Reagents 1+2) 5 (Reagents 3+4) 5	5 minimum 4 minimum
Lightfastness	16	Wool standard 7	6 minimum
Cigarette resistance	18	Rating 4	3 minimum
Steam resistance	24	Rating 5	4 minimum
Fire performance	BS 476-7	Class 1 (when bonded to Class 1 flame-retardant substrate)	-----