

## Formica® CGS Compact Grade Laminate: Physical Properties

Property	EN 438-2 Test Method	Typical Value	Specification Limit
Wear resistance	6	450 revolutions	350 minimum
Boiling water resistance	7	1.0% mass 0.6% thickness	2.0 maximum 2.0 maximum
Dry heat resistance	8	Rating 5	4 minimum
Dimensional stability at elevated temperature	9	L 0.18% T 0.35%	0.23 maximum 0.54 maximum
Dimensional stability at ambient temperature	10	L 0.04% T 0.09%	0.16 maximum 0.22 maximum
Impact resistance	12	> 200cm	-----
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
Crazing resistance	26	Rating 5	4 minimum
Moisture resistance	27	Rating 5	4 minimum
Flexural modulus	EN ISO 178	11000 MPa	10000 minimum
Flexural strength	EN ISO 178	120 MPa	100 minimum
Tensile strength	EN ISO 527-2	80 MPa	70 minimum