

## Formica® HGP 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	14.0% mass 17.0% thickness	16.5 maximum 19.0 maximum
Dry heat resistance	8	Rating 5	4 minimum
Dimensional stability at elevated temperature	9	L 0.16% T 0.45%	0.58 maximum 1.06 maximum
Dimensional stability at ambient temperature	10	L 0.06% T 0.29%	0.39 maximum 0.62 maximum
Impact resistance	11	28 Newtons	20 minimum
Cracking resistance	13	Rating 5	4 minimum
Scratch resistance	14	3.5 Newtons	2.0 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	3 minimum
Formability	20	10mm	15 maximum
Blister resistance	22	40 secs	15 minimum
Steam resistance	24	Rating 5	3 minimum