

Test	Standard / Method	Value	Verdict
Physical properties			
Linear mass	NF EN 15534-1 + A1	2,59 kg/ml	
Moisture content		0,22 %	
Mechanical properties			
Falling mass impact resistance	NF EN 15534-1 + A1	No more than 1 breakage for 10 samples No crack	Pass
Bending strength	NF EN 15534-1 + A1 - Annexe A	39,96 Mpa - Span 660 mm	
Modulus of elasticity		5,7 Gpa - Span 660 mm	
Deflection at 250N		1,67 mm < 5 mm - Span 660 mm	Pass
Thermal properties			
Linear thermal expansion	NF EN 15534-1 + A1 - Annexe A NF EN 15534-5	37,3 10-6 K-1	$\delta L \leq 50,0.10^{-6}$ Pass
Heat reversion 100°C - 1 hour		0,04 %	< individual 3% Pass
Durability			
UV Artificial weathering	NF EN 927-6	No blistering, cracking or peeling observed	
Colorimetric	NF EN 15534-1 + A1	$\Delta E = 2,59$	$\Delta E < 4$ Pass
Water absorption (28 days)	NF EN 15534-1 + A1 NF EN 15534-5	0,96 %	< 8 % Pass
Resistance to boiling water	NF EN 15534-1 + A1 NF EN 15534-4	$\Delta \text{min} = 0,98 \%$	$\Delta \text{min} < 7 \%$ - Pass
		$\Delta \text{max} = 1,1 \%$	$\Delta \text{max} < 9 \%$ - Pass
Fire			
Euroclass	Test : EN ISO 11925-2 Classification : EN 13501-1 + A1	D - s1, d0	