

Technical Data Sheet

Material: Polymax CIRCA Ultra | Premium Studded Flooring

	Test Method	Requirements	Average test results from running production
Thickness	EN 428	Mean value of the nominal value ± 0.20 mm EN 12 199	2.7mm
Hardness	ISO 7619	≥ 75 Shore A	88 ± 5
Abrasion resistance at 5N Load	ISO 4649, procedure A	≤ 250 mm ³	140mm
Residual indentation	EN 433	Mean value ≤ 20 N/mm at thickness ≥ 3 mm	0.15mm
Dimensional stability	EN 434	$\pm 0.4\%$	$\pm 0.3\%$
Flexibility	EN 435, procedure A	Mandrel diameter 20 mm, no fissuring	Fulfilled
Tear strength	ISO 34-1, method B, procedure A	Mean value ≥ 20 N/mm	40 N/mm
Colour fastness to artificial light	EN 20 105-B02, procedure 3, test conditions 6.1 a	At least level 6 on the blue scale level ≥ 3 on the grey scale (= 300 MJ/m ²)	Grey scale \geq level 3 acc. To EN 20 105-A02
Toxicity of the gases	DIN 53 436	-	Non Toxic
Cigarette-burn resistance	EN 1399	Procedure A (Stubbed Out) level ≥ 4 Procedure B (Burning) level ≥ 3	Fulfilled
Thermal conductivity	DIN 52 612	-	0.43 W/mK - Suitable for underfloor heating system
Anti-slip properties	DIN 51 130	According BGR 181	R9
Effect of chemicals	EN 423	-	Resistant depending on concentration and time of exposure
Improvement in footfall sound absorption	ISO 140-8	-	6 dB
Electrical insulation properties	IEC 60093, VDE 0303 T.30	-	$> 10^{10}$ Ohm
Electrical propensity when walked on	EN 1815	-	Antistatic, charging in case of rubber soles < 2 kV
Effect of a castor chair	EN 425	-	Suitable if caster wheels, type W, according to EN 12 529 are used
Classification	EN 685	Residential/Commercial/Industrial	23 / 32 / 41
CE Conformity	EN 14 041	-	Manufactured in Europe
Dynamic coefficient of friction	EN 13 893	-	DS
Reaction to fire	EN 13 501-1	-	Bfl-s1

Although the technical details and recommendations made correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical application; for this reason, anyone who intend to use Polymax products must ensure beforehand that it is suitable for the envisaged application. In every case, the user alone is fully responsible for any consequences deriving from the use of the product.