

## STARON®

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PROPERTIES	TYPICAL RESULTS	UNIT	TYPICAL RESULTS (Staron -12mm)
Density	DIN ISO 1183	g/cm <sup>3</sup>	1.74
Flexural modulus	DIN EN ISO 178	Mpa	9030
Flexural strength	DIN EN ISO 178	Mpa	64.5
Elongation at break	DIN EN ISO 178	%	0.83
Compressive strength	EN ISO 604	Mpa	181
Impact resistance (Spring force)	DIN EN 438-2	N	>25
Impact resistance (Height)	DIN EN 438-2	cm	180
Surface hardness(Moh's index)	DIN EN 101		2-3
Abrasion behavior ( Lost weight )	ISO 4586 p6	g	0.56
	ISO 4586 p6	%	0.26
Anti-slip properties with 100µm	DIN 51130:2009-5		R9
Anti-slip properties with 120µm	DIN 51130:2009-5		R9
Anti-slip properties with 150µm	DIN 51130:2009-5		R9
Light fastness	DIN EN 105-B02	Blue wool scale	> 6
Electrostatic surface resistance	EN 61340-4-1	Ω	>1x10 <sup>12</sup>
Electrostatic surface resistivity	EN 61340-5-1	Ω	960x10 <sup>9</sup>
Dimensions stability at 20°C	Dimension	mm	-0.02
	Gross weight	%	-0.02
Thermal conductivity	DIN EN 12664	W/(m.K)	0.53 ~ 0.57
Thermal resistance	DIN EN 12664	m <sup>2</sup> .K/W	0.083 ~ 0.092
Thermal expansion	ASTM D 696	mm/mm°C	3.6 * 10 <sup>-5</sup>
Fungal and Bacterial resistance	ASTM G 21, G22	-	No growth
Euroclass for reaction to fire	EN 13501-1	-	B-s1 d0
Fire properties (British)	BS 476 part 6 & 7	-	class 0
Fire properties (Germany)	DIN 4102-1	-	B1
Fire properties (France)	NF P 92-501	-	M1

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