

# Technical Data sheet

## Durostone UPM 203

Mechanical Properties	Data	Unit	Testmethod
Specific Gravity	1,80		ASTM D-792
Density	0.065	lbs/in <sup>3</sup>	
Water absorption (24 hours in water at 23 °C)	0.2	%	ASTM D-229
Flexural strength $\perp$ at 20 °C	18,000	psi	ASTM D-790
Flexural strength $\perp$ at 130 °C	12,000	psi	ASTM D-790
Modulus of elasticity in flexure $\perp$ at 20 °C	1.3•10 <sup>6</sup>	psi	ASTM D-790
Modulus of elasticity in flexure $\perp$ at 130 °C	7.0•10 <sup>6</sup>	psi	ASTM D-790
Compressive strength $\perp$	36,000	psi	ASTM D-695
Tensile strength //	10,000	psi	ASTM D-638
Impact strength IZOD notched	8.0	ft•lbs/in	ASTM D-229
Bonding strength	1,100	lbs	ASTM D-229
Electrical Properties	Data	Unit	Testmethod
Electric strength $\perp$ (0.12" thickness)	305	V/mil	ASTM D-149
Dielectric breakdown //			
• Condition A	50	kV	ASTM D-229
• Condition D48/50	25	kV	ASTM D-229
Insulation resistance	>10 <sup>11</sup>	$\Omega$	ASTM D-229
Dissipation factor at 60 Hz (tg $\delta$ )	0.02		ASTM D-150
Dielectric constant at 60 Hz ( $\epsilon$ )	4.5		ASTM D-150
Arc resistance	180	s	ASTM D-495
Tracking resistance	>600	mn	ASTM D-2303
Thermal/Fire Properties	Data	Unit	Testmethod
Temperature index (mechanical)	155	°C	IEEE
Coefficient of thermal expansion	25•10 <sup>-6</sup>	in/in °C	ASTM D-696
UL94 flame resistance	94V-0		UL 94
Radiant Panel	2		ASTM E-162
Specific optical density of smoke at 4.0 minutes			
• Flaming mode	3		ASTM E-662
• Non-flaming mode	1		ASTM E-662

**Bemerkung:** Bei den angegebenen Werten handelt es sich um Mittelwerte, die durch statistische Prüfungen und Kontrollen abgesichert sind. Diese Daten sind reine Beschaffenheitsangaben und führen nur bei ausdrücklicher Vereinbarung zu kaufvertraglichen Zusicherungen.

**Remarks:** The data mentioned in this Technical Data sheet are average value ascertained by current statistical returns and tests. The above data is provided purely for information and shall not be regarded as binding unless expressly in a contract of sale.