



NewTechWood

NewTechWood UltraShield Naturale Technical Sheet

Property	Code/Method	Remark	Result	Unit
Specific Gravity	KS F 3230:2013		1.17	g/cm ³
MOE - High Temperature	ASTM D7032	52 Celsius	2752	Mpa
MOE - Low Temperature	ASTM D7032	-29 Celsius	5464	Mpa
MOR - High Temperature	ASTM D7032	52 Celsius	21.8	Mpa
MOR - Low Temperature	ASTM D7032	-29 Celsius	38.4	Mpa
Hardness	ASTM D785		78.7R	
Slip Resistance	DIN 51130		R11	
Impact Resistance - Low Temperature	KS F 3230:2013		Pass	
Impact Resistance - Ambient Temperature	KS F 3230:2013		Pass	
Impact Strength	KS F 3230:2013		4.9	kJ/m ²
Thermal Conductivity	EN 14041 : 2004		0.2	W/m * K
Stair Tread Load	AC 174		Pass	
Creep Recovery	ASTM D7032		92	%
Fastener Withdrawal	ASTM D7032		1.12	kN
Freeze-Thaw		Internal	over 40 cycles	
Fungus Decay Resistance	ASTM G21		Rating 0	
Temperature Effect		Internal		
Abrasion Resistance	ASTM D4060		Index 33	
Coefficient of Linear Thermal Expansion	ASTM D696		36.3	um/m*C
Flame Spread Index (FSI)	ASTM E84		85	
Smoke Density Index (SDI)	ASTM E84		300	
Staining Resistance		Internal	Resists most liquids	
Scratch Resistance		Internal	20	N
Moisture	KS F 3230:2013		0.8	%

Formaldehyde	EN 717		Non Dectectable	
Coefficient of Friction	KS F 3230:2013		0.5	
QUV 3000 Hours Color Retention	ASTM G154-12		< Delta E of 4	
RoHS	RoHS Directive 2002/95/EC	Cadmium	Non Dectectable	mg/kg
		Lead	17	mg/kg
		Mercury	Non Dectectable	mg/kg
		Chromium	Non Dectectable	mg/kg
TVOC Content	ASTM D5116		24.68	ug * m^3
Recycled Content		Internal	99	%