

Informations

		Standard	Result	
<b>Manufacturing Standard</b>		ASTM D-7032-04	Pass	
<b>Characteristics</b>				
<b>Dimensions</b>			3600 x 138 mm	
<b>Total Thickness</b>			20 mm	
<b>Density</b>		EN ISO 1183	1350 kg/m <sup>3</sup>	
<b>Flexural Properties</b>	<b>Bending Strength</b>	EN 15534-1 Annex A	34.5 Mpa	
	<b>Modulus of elasticity</b>		4.90 Gpa	
	<b>Maximum load</b>		Mean: 3252 N Min: 3007 N	
	<b>Deflection at 500N</b>		Mean: 1.49 mm Max: 1.56 mm	
<b>Determination of moisture resistance under cyclic test conditions</b>	<b>Original MOR</b>	EN 15534-1	34.5 MPa	
	<b>After exposure</b>		Mean MOR: 29.6 Mpa	
			Mean decrease: 14 %	
			Min MOR: 27.3 Mpa Max. decrease: 21%	
<b>Thermal Expansion Coefficient</b>	ASTM D696-16	48.7 x 10 <sup>-6</sup> mm/mm/°C		
<b>Boiling</b>	EN 15534-1 section 8.3.3	Mean: 0.49 % Max: 0.56 %		
<b>Swelling after boiling</b> 28 days immersion	EN 15534-1 section 8.3.3 EN 15534-1 section 8.3.1	Mean swelling :	3.05% in thickness	
			0.10% in width 0.09% in lenght	
		Max swelling :	3.35% in thickness	
			0.13% in width 0.13% in lenght	
Water absorption:	Mean: 0.69% Max: 0.70%			
<b>Slipperiness</b> Pendulum test	EN 15334-1 clause 6.4.2 CEN / TS 15676	Dry conditions	Mean L: 64 H: 86	Min L: 60 H: 84
		Wet conditions	Mean L: 42 H: 53	Min L: 40 H: 52
<b>Fire behaviour</b>	EN 15334-4	C <sub>fl</sub> -S1		

Performance

