

No.	Property	Test Method	Test Result					Conclusion		
1	Abrasion Resistance	ASTM D7031-11(2019) Section 5.17 & ASTM D4060-19	Weight loss: 53.7mg/1000r					Pass		
2	Boiling Test	EN 15534-1:2014 + A1:2017 Section 8.3.3	Mass change rate: 0.75%					Pass		
3	Coefficient of Linear Thermal Expansion	EN 15534-1:2014+A1:2017 Section 9.2 & ISO 11359-1-2014 & ISO 11359-2-1999 Method A	$45 \times 10^{-6} \text{ K}^{-1}$					Pass		
4	Creep Behaviour - Unknown Span in Use	With reference to EN 15534-1:2014+A1:2017 Section 7.4.2 and client' s requirement	Creep factor (C_f): 0.87 Creep recovery (E_{rc}): 43%					Pass		
5	Modulus of Elasticity in Bending and Bending Strength	EN 15534- 1:2014+A1:2017 Annex A	Bending strength		40MPa			Pass		
			Modulus of elasticity		4310MPa					
6	Resistance to Indentation	EN 15534-1:2014+A1:2017 Section 7.5	Brinell hardness		90MPa			Pass		
			Rate of elastic recovery		78%					
7	Rockwell Hardness	ASTM D785-08(2015) Procedure A	84 R					Pass		
8	Single Flame Source Test	EN 15534-1:2014 Section 9.6.1 & EN ISO 11925- 2:2020	Exposure conditions	Edge exposure			Surface exposure			Pass
			Specimen No.	1	2	3	1	2	3	
			Whether ignition occurs	Yes	Yes	Yes	Yes	Yes	Yes	
			Whether the flame tip reaches 150 mm above the flame application point	No	No	No	No	No	No	

			The time when flame tip reaches 150 mm, s	/	/	/	/	/	/	
			Whether ignition of the filter paper occurs	No	No	No	No	No	No	
9	Striker Impacted by a Falling Weight	With reference to ASTM D4226-19e1 Procedure A and client's requirement	Mean failure energy: 3.79J							Pass
10	Swelling and Water Absorption	EN 15534-1:2014 Section 8.3.1& EN 317:1993	Test item	Test item Thickness	Width	Length	Pass			
			Mean swelling	0.20%	0.01%	0.09%				
			Max individual swelling	0.25%	0.02%	0.13%				
			Mean water absorption	0.17%						
			Max individual water absorption	0.19%						