

Test Item	Test Method & Condition	Result			Issued by
Flexural Strength	ASTM D6109-05 Method A, Specimen:450x149x25mm, Testing Speed: 11.8mm/m in Span:400mm	29.5MPa			SGS
Flexural Modulus		4150MPa			
Water Absorption	ASTM D1037-06a Section 23 Method B, Specimen: 159x148x25mm, Submersion Condition: 23+-2Deg C, 24h Vertical Submersion	0.3%			
Moisture Resistance (boiling test)	EN 151534-1:2014, Clause 8.3.3	Average Value 1.39%			
Density	ASTM D792-08 Method B, Absolute alcohol, 23+_0.5D C	1.295g/cm3			
Abrasion Test	ASTM D7031-04 Section 5.17 and ASTM D4060-07 and client's requirement, Wheel: CS-10, Load: 1000g/wheel (total 2000g) Cycles: 1000	Wear index: 54.1mg			
Rockwell hardness	ASTM D785-08 Procedure A Specimen thickness: 24.75mm	HRR 90.6			
Oxidative-Induction Time (OIT)	ASTM D3895	47.4 Minutes (190D Cel)			Intertek
Freeze-Thaw Resistance	ASTM D7032-10, ASTM D6109-05, The specimens shall then be placed in a freezer at -29D Cel for 24 H. After being subjected to freezing, the specimen shall be returned to room temperature for a period of 24 H	Free-thaw (3 Cycles)	Controlled	Conditioned 28.6 MPA	
		Flexural Strength (MOR)	28.1MPa	Increase 1.8%	
		Flexural Stiffness	4.10GPA	4.13 GPA, Increase 0.9%	
Coefficient of Friction	ASTM D 2394	Coefficient of Friction	Static	Dynamic	
		Dry Parallel the L direction	0.59	0.39	
		Wet parallel the L direction	0.58	0.56	
Slip Resistance	EN 15534-1:2014,CEN/TS 15676:2007 Pendulum Test	Average Value 60, Requirement >= 36.			
Linear Mass	EN 15534-1:2014	Specimen Dimension 150mm x 32mm x 1m	3.74 kg		
		Specimen Dimension 88mm x 23mm x 1m	2.42 kg		
Thickness, width, Length (applicable to Profiles)	EN 15534-1:2014 6.6.2	Specimen 1004 mm x 150 mm x 32 mm	Deviation Length 0 Width +0.47 Thickness +0.18		
Light Ageing Test - Xenon Arc Exposure	EN 15534-1:2014 Section 8.1 & ISO 4892-2:2013 Cycle 1	$\Delta a * \Delta b * \Delta E * \Delta L$ (SCI/SCE)	0.1 to 1.5 no visible change		
Neutral Salt Spray Test	EN 15534-1:2014 Section 8.6 & ISO 9227:2012	According to ISO 105aA02 :1993/ Cor 2:2005 , the grey scale was determined under D65 Standard light, with scale 5 as the best and scale 1 as the worst	4 - 5		
Radiant Heat Source Test (Burning Behaviour)	EN 15534-1:2014 Clause 9.63 & EN ISO 9239-1:2010	CHF Value of extinguishment HF -30/ KW/m2	4.65		
Single Flame Test	EN 15534-1:2014 Clause 9.61 & EN ISO 9239-1:2010	Face / Bottom Ignition -Occurrence of Ignition -Flame reaches 150mm -Time to reach 150 mm -Ignition of the filter Paper	Yes No -- No		