

DATA SHEET for:

Brook Knitted Poly 160 FR

Product Code: FKPP4
Available Widths (m): 1.53, 3.06
Roll Lengths (m): 50 - 100 supplied on a 76mm (3") full width core

PROPERTY	TEST METHOD	RESULT
Fire Retardancy	BS5867	Type B
Fire Retardancy	DIN4102	B1
Yarn Composition	Not tested	100% Semi dull Polyester
Weight	BS2471	160gsm
Bursting Strength	BSEN ISO13938 - 2	>600Kpa

Information and test results for guidance only and may change without prior notice, Customer to determine suitability of product for the intended end use. V2

Suitable for dye-sublimation and digital printing with solvent, UV, aqueous and, disperse inks. **Knitted Poly 160 FR** is a high performance knitted polyester fabric with a dense construction to give excellent colour reproduction and a lighter option to 205g Textured Poly.

Treatments available: pure, digital pre-treatments for solvent, eco-solvent, UV, aqueous or disperse inks and flame retardant options comply with FR standards above

Colour: optic white to optimise print performance.

Typical end uses: internal and external banners, soft signage, retail display graphics, pop ups, display systems, promotional advertising applications and personalised soft filled products



Report on the trial results of the fire-tunnel tests according to DIN 4102-1

Test-Nr.	01.52.4327.07	Date: 6 th February, 2007
Applicant	Brook International, Riparian Way, Cross Hills, Keighley, West Yorkshire BD20 7BW	
Material tested	Fabric	
Material name	FKPP4 KW01 Optic White FR	

Material data

Test thickness	mm	Climatised storage	yes
Average surface area mass	g/m ²	Preliminary end of test	no
Average raw density	kg/m ³	No. of tests required for main examination	
Glow remains according to DIN 52330	%	Miscellaneous details:	

Test units		A	B	C	D
First flames *)	min, sec	0:03			
Max. flame height	cm	40			
Point of time *)	min, sec	0:25			
Melting point *)	min, sec	0:04			
Flames on reverse side of test unit *)	min, sec	-			
Influence on burner flame *)	min, sec	0:09			
Burning components drip down *)	min, sec	0:06			
Extent		moderate			
Continuation of burning on the perforated bottom **)	min, sec	-			
Max. smoke temperature	°C	117			
Appeared after *)	min, sec	10:00			
Smoke density		low			
Glowing particles after test end **)	min, sec	-			
Remaining lengths	Test 1	cm	62		
	Test 2	cm	63		
	Test 3	cm	65		
	Test 4	cm	62		
Average value of single test		cm	63		

Remarks:---

The test material passed the „Brandschacht“ to DIN 4102-B1.


ppa. Dr. Kanig


i. A. Maßmann

*) Point of time referred to the test beginning
**) Time period

Art der Anforderung	Anforderungen		
	A 1	A 2	B 1
Brandschacht			
- Restlänge			
a) Mittelwert jedes Schachtes	> 35 cm	> 35 cm	> 15 cm
b) Einzelwerte	> 20 cm	> 20 cm	> 0 cm
- Rauchgastemperatur	< 125 °C	< 125 °C	< 200 °C
- Entflammung auf der Probenrückseite	nein	nein	zulässig
- Brandparallelerscheinungen	kein Anlass zu Bedenken		
weitere Nachweise	750°C Ofen, Rauchdichte, Toxizität, ggf. Heizwert		B2-Brennkasten

This information sheet is not a certificate of building material class according to DIN 4102-1.

quick - mix Gruppe GmbH & Co. KG

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