Material data sheet

Brand & Model:
DuctEasi IFR264GSM fabric

DUCTEASI®

Description:
DuctEasi IFR264 fabric material is made from 100% inherently flame retardant (IFR) polyester yarn. One advantage of IFR fabric is the flame retardant property remains the same ever after 50 washes. Our in-house weaving mill used special techniques to produce a stable structure allowing high tensile strength and tearing resistance.

Material properties:

S/N	Characteristic	Value	Unit	Remarks
1	Weight*	264	g/m^2	
2	Thickness*	0.30	mm	
3	Tensile strength (warp/weft)*	1,322/1842	N/50mm	
4	Elongation (warp/weft)*	24.4/35.9	%	
5	Resistance to tearing (warp/weft)*	255/236	N	
6	Minimum permeability	5	$m^3/m^2/hr$	
7	Retention grade	F7		Level of filtration
8	Shrinkage in wash (fabric)*	0.02	%	
9	Water Absorption (fabric)*	25.78	%	
10	Operating temperature (Max/Min)	+100/-50	°C	

*Test conducted by Nanyang Technological University, School of Materials Science and Engineering

Fire Testing results:

S/N	Fire Risk	Applicable fire test standards	Test result	Tested by
1	Toxicity	EN45545-2 / ISO 5659-2	CIT < **0.75**	SETSCO
2	Smoke Density	BS EN 13501-1:2007+A1:2009	**s1** rating	TUV-SUD-PSB
3	Ease of fire / Fire spread	BS EN 13501-1:2007+A1:2009	Class **B**	TUV-SUD-PSB

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