Acco Isolate Insulation (Acoustic Insulation)

Acco Isolate Insulation (Acoustic Insulation) is an Open Cell Oxide Acetate Foam which is used for acoustical application. This is an exclusive product made using 100% in-house foam technology, and Paramount Intercontinental is its sole manufacturer in the world. It is world's best material for noise and vibration control upto 90%. The product scores very heavily over Nitrile Rubber and XPE foam. Being an innovative blend of Nitrile Rubber and XPE foam, this material is UV protective and has Class 0 fire properties as per BS 476 part 6. It finds applicability in AC Ducting, D.G. Rooms, Building Walls and Partitions etc.

TECHINCAL DETAILS : ACCO ISOLATE INSULATION (Acoustic Insulation) - Open cell Oxide acetate foam:

S.No.	Properties	Standard	Technical Details
01	Material		Oxide Acetate Foam
02	Cell Structure		Open cell, Crossed Linked, Stress Crack Resistant
03	Physical Appearance		One side open cell, Soft, Flexible & Glossy
04	Density	JIS K6767	30 to 60 kg/m3
05	Noise Reduction coefficient	IS:8225-1987 (Equivalent to ISO: 354 - 1985 and ASTM 423-90)	
	10 mm (30 to 33kg/m3 density)		NRC : 0.50
	15 mm (40 kg/m3 density)		NRC : 0.65
	25 mm (50 to 60kg/m3 density)		NRC : 0.84
	35 mm (50 to 60kg/m3 density)		NRC : 0.86
	Color		Black
06	Service Temperature Range	Using Climate Chamber	-70 Deg C To 100 Deg C
07	Ultra Violet Ray Impact		Negative, Bare Foam is UV resistive
	Thermal Conductivity	IS 3346/1980	0.029 W/MK at 0 Deg C
08	**Fire Test**		
a	Surface Spread of Flame	BS 476 PART 7	Class 1
b	Fire Propagation Index	BS 476 PART 6	Class O
09	Fungal Resistant	ASTM G-21	Negative (No growth observed)
10	Bacteria Resistance	ASTM G-22	Negative (No growth observed)
11	Mold Growth	IS 3144:1992	Negative (No growth observed)
12	Ageing	ASTM C 177	No Impact of ageing
13	Overall Migration Test	IS 9845 - 1998	Negligible effect of acids & alkalis
14	Water absorption	JIS K6767 - 1976	0.002 G/Cm 2
15	Compressive Strength	ASTM D 3575 - 91	30 KPA
16	Elongation Break	JIS K 6767 - 1976	200 – 250 %
17	Tear Strength	JIS K 6767 - 1976	2.5 KN/M
18	Tensile Strength	JIS K 6767 - 1976	450 KPA
19	Hardness	JIS C	15-20 Degree