

Product Identification

Designation: Stop-Bac

THIS PRODUCT MEETS ALL RELEVANT FEDERAL STANDARDS & REGULATIONS FOR USE IN FOOD FACILITIES



Packaging

- Cardboard Carton and PVC Film
- Identity & Tractability labels on each roll: 1 External & 1 Internal
- Each Roll Specifically Numbered

Technical Specifications

PROPERTY	STANDARD	UNIT	VALUE	
SHORE A HARDNESS	EN ISO 868	Sh A	80	Index based on a flat indenter's penetration depth . Scale from 0 (Soft) to 100 (Hard).
TEARING RESISTANCE	DIN 53515	N/mm	50	Minimum tensile stress required to tear a pre-slit sample.
TENSILE STRENGTH AT BREAK	ASTM D 638	N/mm ²	16	Maximum tensile stress that a material can be subjected to before break.
ELONGATION AT BREAK	EN ISO 527	%	340	Elongation of the specimen at the break point under tensile stress.
RESIDUAL ELONG. (AFTER BREAK)		%	68	Permanent elongation of the specimen measured after rupture in a tensile test.
THERMAL CONDUCTIVITY	ASTM C 177	W/m.K	0.16	Ability to conduct heat. The Lower it is, the more insulation.
COLD BEND BRITTLE TEMPERATURE	ISO 8570	°C	-35	Temperature at which the specimen break under torsion stress. Brittle point (CLASH & BERG).
USAGE TEMP. RANGE	EN 1876	°C	-15/+50	Temperature range where material keeps its mechanical properties (flexibility).
VICAT SOFTENING TEMP.	EN ISO 306	°C	50	Temperature at which the specimen is penetrated to a depth of 1mm by 1 kg flat indenter of 1 sq. mm.

Technical Specifications Continued

PROPERTY	STANDARD	UNIT	VALUE	
SPECIFIC HEAT CAPACITY	ISO 11357	kJ/kg.K	1.6	Heat energy required to increase the temperature of one kilogram of the material by one degree Celsius.
SOUND REDUCTION	DIN 52210	dB	>35	Average sound level (freq. 0,1 to 3,2 kHz) decreased by 1,75 sq. m and 5 mm thick PVC curtain.
REACTION TO FIRE	NF P 92-507 AS/NZS 3837 DIN 4102	Grade	Grp4 B2	Standard classifications of material self-extinguishing and resistance to combustion
LIGHT TRANSMITTANCE	ASTM D 1003	%	85	Visible light rate transmitted through the material.
UV/IR FILTER	EN 1598	Filter	-	Ability to filter welding rays allowing the use of this material as a welding protection screen.
UV RESISTANCE	ISO 4892	-	Yes	Ability of the product to resist to UV aging.
CHARGE BUILDUP	IEC 61087	Sparks	Yes	Earthed sample is rubbed with cotton, acrylic and nylon rubbers. At electrode approach, spark appears or doesn't.
SURFACE RESISTIVITY	IEC 60093	$\cdot 10^{12} \Omega/\text{sq}$	40	Material surface electric resistivity measured with a 500 V direct voltage.
WATER ABSORPTION	EN ISO 62	%	-0.2	Material mass variation after exposure to humid conditions. (<0 if released/ >0 if absorbed)
DENSITY	ASTM D 792	g/cm ³	1.22	Mass per unit volume

Our technical sales representatives will assist you with your project requirements.
Give us a call today at **847-439-4565** for a quote!

