



ISOFOR di MARCO BELTRACHINI

- sede legale – via esterna del molino, 5/e – 24040 **STEZZANO** (BG)
- sede operativa – via autieri d'Italia, 25 – 24040 **COMUN NUOVO** (BG) – Tel. +39.035.334185
- partita IVA **03243970161** ■ codice fiscale **BLTMRC64P16A794Q**

www.isoform.it – info@isoform.it

PROPERTIES OF ISOFOR® UREA FOAM		NORMATIVE OF REFERENCE PR DIN EN 15100-1:2005			
PROPERTIES (of the foam)		UNITS	VALUE	CONTROL METHOD	TEST REPORT CERTIFICATION
Thermal conductivity λ -Temperature 10°C λD		W/m•K	0.031	UNI EN 12667:2002	CSI-SpA Bollate (Milano) Test report n.0038/DC/TTS/10
Density of dry foam DY		kg/m³	10-20	EN1602	CSI-SpA Bollate (Milano) Test report n.0263/FPM/MATS/24
Water vapor transmission	Speed TVA (g)	mg/(m²•h)	2357	UNI EN 12086:1999	Politecnico di Milano Test report n.079B/10
	Permeance (W)	mg/(m²•h•Pa)	1.68		
	Resistance (Z)	(m²•h•Pa)/mg	0.595		
	Permeability (□□)	mg/(m•h•Pa)	0.080		
Water vapour resistance factor μ MU		μ	8.87	UNI EN 12086:1999	Politecnico di Milano Test report n.079B/10
Dimensional stability - after 24 hours at 70°C - after 24 hours at -20°C		% %	-2.9 -0.3	UNI EN 1604:2013	CSI-SpA Bollate (Milano) Test report n. 0263/FPM/MATS/24_2
Short term water absorption by partial immersion Wp		Method A kg/m²	2.73±0.20	UNI EN 1609:2008	Politecnico di Milano Test report n.079E/10
		Method B kg/m²	8.77±0.61		
Sound absorption		α W	0.50	UNI EN ISO 354:2003	CSI-SpA Bollate (Milano) Test report a n.093/DC/ACU/10
Reaction to fire		EUROCLASSE Self-extinguishing Does not drip Does not produce significant smoke	E	EN ISO 11925-2:2020	CSI-SpA Bollate (Milano) Test report n.1250/DC/REA/24
Release of hazardous substances ES (formaldehyde) Gas analysis method		CLASS Emission value less than a third of the emission limit established by the EN 13956 standard	ES 1 <1 mg/m²•h	EN ISO 717-2:2004	Politecnico di Milano Test report n.079H/10
Release of hazardous substances ES (formaldehyde) Chamber method, steady state at 360 hours		CLASS Value lower than the limit specified by Regulation (EU) 2023/1464 of July 14, 2023, will come into force on August 6, 2026.	ES 1 Concentration 0,068mg/m³	EN 717-1:2004 ISO 16000-3:2022	CSI-SpA Bollate (Milano) Test report n. 0263/FPM/MATS/24_4



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PROPERTIES (of the foam)	UNITS	VALUE	CONTROL METHOD	TEST REPORT CERTIFICATION
Compressive strength at 10%	kPa	36.9 ± 2.6	UNI 6350:1968	Politecnico di Milano Test report n.079D/10
Compressive strength at 10%	kPa	42.3 ± 4.9	EN 826:2013	CSI-SpA Bollate (Milano) Test report n. 0263/FPM/MATS/24_3
Specific heat	J/kg•K	1800		
ADDITIONAL LABORATORY TESTS				
Water absorption -Met. DOE: 7days. on water -Met. BS: 24 hours on water	% vol. Kg/m ²	3 1		
Equilibrium moisture content -at 23°C 50% RH -at 23°C 70% RH -at 23°C 90% RH	% vol. % vol. % vol.	0.15 0.20 0.27		
Release of dangerous substances in confined space (test for formaldehyde)	Colorimetric analysis does not reveal the presence of formaldehyde		Faculties of Chemical Engineering and Pharmacology of the University of Genoa	
Dimensional stability -after 30 days at 50°C 90% UR -after 30 days in stove at 100°C	% vol. % vol.	no significant change -5		
Freeze-thaw stability (Ageing)	No dimensional change or of technical specification			
Hydrolytic stability -after immersion for 1 year in H ₂ O	No dimensional change or of technical specification			
Operating temperature	°C	-20 a +120		
Flammability and combustibility	Self-extinguishing classified 94 H E F1		ASTM D 1692 UL 94-FOAM	
Mold pest resistance	The foam does not constitute food for rodents and is resistant to mold			

IDENTIFICATION CODE OF THE PRODUCT : UF EN15100-1(T3)-DY15/MU8,8/W2,7/S30

EWC/EER CODE European Wasate Catalogue 17 09 04 – 16 03 05 (non hazardous)