



Scheda Prodotto – *Product Data Sheet*

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PTFE FE1100

PTFE modificato

Modified PTFE

Date	Revision	Details of changes
October 2024	20	Regulation update

Tipo di materiale – <i>Material type</i>		
A	Tondi stampati, lastre e nastri sfogliati	<i>Molded rod, skived sheet and tape</i>
B	Manicotti e lastre stampate	<i>Molded tube and sheet</i>
C	Tondi e tubi estrusi	<i>Extruded rod and tube</i>

Caratteristiche Fisiche

Physical Properties

Caratteristica <i>Property</i>	Metodo di prova <i>Test method</i>	U.M <i>Units</i>	A Valore misurato <i>Measured Values</i>	B Valore misurato <i>Measured Values</i>	C Valore misurato <i>Measured Values</i>
Densità <i>Density</i>	ASTM D 792	g/cm ³	2.155	2.151	2.150
Carico di rottura <i>Tensile strength</i>	ASTM D 4894	MPa	28	27	25
Allungamento a rottura <i>Elongation at break</i>	ASTM D 4894	%	370	280	270
Durezza <i>Hardness</i>	ASTM D 2240	Shore D	60	57	54
Rigidità dielettrica <i>Dielectric strength</i>	ASTM D 149	kV/mm	37	35	33

I dati riportati sono suscettibili di variazioni che GAPI riterrà di apportare per migliorare le caratteristiche del materiale.

Le informazioni fornite sono indicative.

Since development and improvement of materials is a continuing process, GAPI reserves the right to modify their characteristics.

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Caratteristica <i>Property</i>	Metodo di prova <i>Test method</i>	U.M <i>Units</i>	Valore tipico <i>Typical value</i>
Temperatura utilizzo <i>Working temperature</i>	-	°C	-200/+260
Coeff. dilatazione termica lineare <i>Coeff. Of linear thermal expansion</i>	ASTM 696	°C ⁻¹	15 · 10 ⁻⁵
Deformazione sotto carico <i>Deformation under load</i>	ASTM D 621	%	10
Deformazione sotto carico permanente <i>Permanent deformation</i>	ASTM D 621	%	5
Coefficiente attrito statico <i>Static friction coefficient</i>	ASTM D 1894	-	0.07
Coefficiente attrito dinamico <i>Dynamic friction coefficient</i>	ASTM D 1894	-	0.05
Resistenza compressione 1% deformazione <i>Compressive stress deformation 1% deformation</i>	ASTM D 695	N/mm ²	6
Comportamento alla fiamma <i>Flame behavior</i>	UL94	-	V0
Coefficiente di usura a PV <i>Wear factor</i>	ASTM D 3702	$\frac{\text{cm}^3 \cdot \text{min} \cdot 10^{-8}}{\text{kg} \cdot \text{m} \cdot \text{h}}$	-
Resistività di volume <i>Volume resistivity</i>	ASTM D 257	Ohm · cm	10 ¹⁷
Resistività di superficie <i>Surface resistivity</i>	ASTM D 257	Ohm	10 ¹⁶

Certificazioni/Certifications

Material conforms at: ACS, 3A Sanitary standard, DM174/2004

Material conforms at food contact, in accordance with:

Italian regulations: DPR777, DL108, DM 34 dated 21/3/73

EU regulations: 1935/2004/EU - 1895/2005/EU - 10/2011/EU and subsequent updatings - 2023/2006/EU

USA regulations: FDA 21 cfr § 177.1550

TSCA sezione 8(a)(7)

Gli articoli prodotti con questo materiale contengono politetrafluoroetilene, CAS 9002-84-0 in concentrazioni del 100%

TSCA section 8(a)(7)

Articles manufactured with this material contain polytetrafluoroethylene, CAS 9002-84-0, 100% in concentration

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RAPPORTO DI PROVA / TEST REPORT	
NUMBER 2320\FPM\FDC\21_1	ISSUE DATE 21/02/2022
BUSINESS AREA BA Product Conformity Assessment	LABORATORY Food Contact
SPECIMEN DESCRIPTION Modified PTFE FE1100	
CUSTOMER GAPI SPA VIA MOLINARETTI, 2 24060 CASTELLI CALEPIO (BG)	
REFERENCE STANDARD D.P.R. 777 dated 23/08/1982, D.L. 108 dated 25/01/1992, D.M.34 dated 21/3/73 Regulation 1935/2004/EC, GUCE L 338 dated 13/11/04, Regulation 10/2011/EU, GUUE L 12 dated 15/01/2011, and subsequent updatings. UNI EN 1186 1+15:2003 (see the overall migration test description for the identification of the technical standard part)	
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CSQ001 REV.00 CSI S.p.A. A SOCIO UNICO SOGGETTA AD AMMINISTRAZIONE DI DIREZIONE E COORDINAMENTO DI MQ GROUP S.p.A. REA MI 1466310 R.I./C.F./P.I. 11360160151 Cap. Soc. € 1.040.000 Sede legale Italia 20030 Senago (MI) Cascina Traversagna 21 direzione-csi@legalmail.it info@csi-spa.com www.csi-spa.com	

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RAPPORTO DI PROVA / TEST REPORT	
NUMBER 2322\FPM\FDC\21	ISSUE DATE 21/02/2022
BUSINESS AREA BA Product Conformity Assessment	LABORATORY Food Contact
SPECIMEN DESCRIPTION Modified PTFE FE1100	
CUSTOMER GAPI SPA VIA MOLINARETTI, 2 24060 CASTELLI CALEPIO (BG)	
REFERENCE STANDARD D.P.R. 777 dated 23/08/1982, D.L. 108 dated 25/01/1992, D.M.34 dated 21/3/73 Regulation 1935/2004/EC GUCE L 338 dated 13/11/04 Regulation 10/2011/EU, GUUE L 12 dated 15/01/2011, and subsequent updates. DM 174/2004 - D.Lgs n. 31/2001 Directive 2015/1787/UE	
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GQ001 REV.00	
CSI S.p.A. A SOCIO UNICO SOGGETTA AD ATTIVITÀ DI DIREZIONE E COORDINAMENTO DI IMQ GROUP S.r.l.	REA MI 1466210 R.I./C.F./P.I. 11360160151 Cap. Soc. € 1.040.000
Sede legale Italia 20030 Senago (MI) Cascina Itavesagna 21 direzione-csi@legalmail.it info@csi-spa.com www.csi-spa.com	

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				Laboratoire habilité par le Ministère chargé de la santé en application de l'article R*. 1321-52 du code de la santé publique																
ATTESTATION DE CONFORMITE SANITAIRE (ACS) Certificate of sanitary conformity Conformément à l'arrêté du 29 mai 1997 modifié et aux circulaires du Ministère de la Santé DGS/VS4 n° 99/217 du 12 avril 1999 et DGS/VS4 n° 2000/232 du 27 avril 2000																				
Coordonnées du demandeur / Contact details of the ACS owner : GAPI S.P.A. Via Molinaretti, 2 24060 CASTELLI CALEPIO (BG) Italie			Nom(s) commercial(aux) du produit fini / Commercial name(s) of the finished product : PTFE FE 1100																	
Type de produit fini / Type of finished product : <table border="0"><tr><td>☐ tube / pipe</td><td>☒ joint / seal, gasket, o-ring...</td><td>☐ revêtement / coating</td></tr><tr><td>☐ produit de jointoyage / sealing product</td><td>☒ raccord et manchon / fittings</td><td>☒ composant d'accessoires / accessories components</td></tr><tr><td colspan="3">☐ autre / other :</td></tr></table>						☐ tube / pipe	☒ joint / seal, gasket, o-ring...	☐ revêtement / coating	☐ produit de jointoyage / sealing product	☒ raccord et manchon / fittings	☒ composant d'accessoires / accessories components	☐ autre / other :								
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☐ autre / other :																				
Nature du matériau / Type of material : <table border="0"><tr><td>☐ polychlorure de vinyl PVC</td><td>☐ polybutylène PB</td><td>☐ éthylène-propylène EPDM</td></tr><tr><td>☐ PVC surchloré PVC-C</td><td>☐ polyamide PA</td><td>☐ butadiène-acrylonitrile NBR</td></tr><tr><td>☐ polyéthylène PE</td><td>☒ polytétrafluoroéthylène PTFE</td><td>☐ autre / other :</td></tr><tr><td>☐ polyéthylène réticulé PEX</td><td>☐ acrylonitrile-butadiène-styrène ABS</td><td></td></tr><tr><td>☐ polypropylène PP</td><td>☐ à base de résine époxydique / epoxy resin</td><td></td></tr></table>						☐ polychlorure de vinyl PVC	☐ polybutylène PB	☐ éthylène-propylène EPDM	☐ PVC surchloré PVC-C	☐ polyamide PA	☐ butadiène-acrylonitrile NBR	☐ polyéthylène PE	☒ polytétrafluoroéthylène PTFE	☐ autre / other :	☐ polyéthylène réticulé PEX	☐ acrylonitrile-butadiène-styrène ABS		☐ polypropylène PP	☐ à base de résine époxydique / epoxy resin	
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Commentaires / Comments : Couleur du matériau / Material color : Naturel / Natural N° de dossier attribué par le laboratoire habilité / File reference : 18 MAT NY 067																				
Formulation chimique / Chemical formulation : Vérifiée par le laboratoire et conforme aux listes positives / Checked by the laboratory and conform to the positive lists																				
Essais d'inertie réalisés selon la norme XP P 41-250 / Migration tests performed according to the standard XP P 41-250 : Rapport S/V testé / S/V tested ratio : 3 cm ² /L Date des essais / Tests date : / Commentaires : Aucun essai n'est nécessaire au renouvellement de cette ACS / No testing is required to issue this ACS.																				
Attestation délivrée par / Certificate issued by : Emilie Bailly Chef de Service Ajointe / Material Department Assistant Manager Signature :  A la date du / Date of issue : 14 juin 2018 Date d'expiration de l'ACS / Expiry date : 14 juin 2023 Commentaires / Comments : Renouvellement de l'ACS 13 MAT NY 067 / Renewal of the ACS 13 MAT NY 067.																				
Eurofins Expertises Environnementales SAS au capital de 71676 - € RCS Nancy 751 056 102 TVA FR 35 751 056 102 Siège social : Rue Lucien Cusnot site Saint Jacques II BP 51006 54521 MAXEVILLE cedex - T 03 83 50 36 17 F 03 83 50 23 70																				

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