

# DETECTAMET

## Technical Data Sheet

Document Reference	538
Date of Issue	5th Dec 2024
Revision Number	001
Date of Last Revision	5th Dec 2024

538

### PTFE Machined Scraper



Technical Data Sheet Applicable To:

538-S908	PTFE Machined Scraper
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Industry Usage:

FDA approved, Metal & X-ray Detectable Machined PTFE Scraper

Features and Benefits:

- Front width: 159mm (6.25")
- Back width: 60mm (2.36")
- Height: 15mm (0.59")
- Depth: 40mm (1.57")
- Hole diameter: 7mm (0.27")
- Continuous use temperature up to 260°C (500°F)
- High dimensional stability

#### Material and Compliance Information:

Typical Properties	Unit	Method	Data – Moulded
Physical – Mechanical			
Density	g/cm <sup>3</sup>	ASTM D792	2.30 – 2.36
Hardness – Shore D	/	ASTM D2240	≥ 58
Tensile Strength – CD*	N/mm <sup>2</sup>	ISO 527	≥ 20
Elongation at Break – CD*	%	ISO 527	≥ 250
Thermal			
Service Temperature (Min-Max)	°C	/	- 200 / + 260
			-
*CD = Cross Direction			-

This product is compliant with the following:-

- Regulation (EC) No. 1935/2004
- Directive 2002/72/EC
- Is manufactured following the indications of Good Manufacturing Practice (GMP) as set out in Regulation (EC) No. 2023/2006
- Based on migration tests (overall migration as well as the specific migration) performed on material with simulants below identified according the Regulation (EC) No. 10/2011 and subsequent amendments the material can be used as specified below\*
- Is suitable to be used in contact with foodstuffs in accordance with US Legislation FDA 21 CFR 177.1550 Perfluorocarbon resins
- Compliant with Article 19 of 10/2011: Assessment of non intentionally added substances – NIAS – not included in the union list
- There are no dual-use additives present in the material.

\*Specification on the intended use:

Type(s) of food intended to come into repeated contact with the material: All types of food : aqueous, acidic, alcoholic, oily or fatty foodstuffs

Type(s) of food not intended to come into repeated contact with the material: Not applicable

Test Conditions :

Overall Migration + Colouring Migration + Specific Migration of Primary Aromatics Amines + Specific Migration Tetrafluoroethylene + Specific Migration of metals : Ba, Co, Mn, Zn, Cu, Fe, Li, Al, Ni, Sb, Hg\*, As\*, Cr\*, Pb\*, Cd\*, La\*, Eu\*, Gd\*, Tb\*.

\*= according to Reg. EU 1245/20 (15th amendment)

Simulant A : Ethanol 10% v/v - 4 hours at 100°C

Simulant B : Acetic Acid 3% W/v in aqueous solution - 4 hours at 100°C Simulant D2 : Rectified olive oil - 2 hours at 175°C

Sunflower oil - 2 hours at 175°C (only for Colouring migration)

Migration test was carried out by TOTAL IMMERSION, in repeated contact mode SURFACE (dm<sup>2</sup>): 0.71

VOLUME (dl): 1

LOD (Limit Of Detection) : 1mg/dm<sup>2</sup>

With reference to specific migrations, the compliance computations have been arranged assuming that 1 kg of food comes in contact with 6 dm<sup>2</sup> of material.

The following substances subject to restriction under Regulation EC No. 10/2011 are used in the material

Chemical name of the substances	CAS No.	Restrictions
Tetrafluoroethylene	0000116-14-3	SML=0.05 mg/kg

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