

Flon-Chem[®]-1086 DETEK

REVOLUTIONARY BLUE DETECTABLE P.T.F.E.

FLON-CHEM-1086 DETEK is a revolutionary blue detectable PTFE whereby using an optical scanner, metal detection equipment or even X-ray equipment the product can be detected. No matter the type of food you process, our product ensures that fragments (minimum dimension to be checked depending on product and instrumentation used) can be identified swiftly avoiding critical food contamination.

MAIN APPLICATIONS

Sealing element, scrapers, supporting plates, guiding and transport element for food & beverage industry

DRIVING FORCES

- High thermal stability up to 260°C
- High chemical resistance
- Wear resistance
- Extended detectability (Visual – Metal – X-Ray)

TYPICAL PROPERTIES	UM	VALUE	METHOD
Colour	-	Blue	-
Density	gr/cm ³	2.30 – 2.36	ASTM D792
Hardness - Shore D	-	≥ 58	ASTM D2240
Tensile Strength ⁽¹⁾	N/mm ²	≥ 20	ISO 527
Elongation at Break ⁽¹⁾	%	≥ 250	ISO 527
Dielectric Strength ⁽²⁾	KV/mm	≥ 40	ASTM D150
Volume Resistivity	Ω•cm	> 10 ¹²	ASTM D257
Surface Resistivity	Ω	> 10 ¹²	ASTM D257

⁽¹⁾ Test performed on molded material with micro-tensile die (ASTM D4894) at 50 mm/min on cross direction with an extensometer

⁽²⁾ 0.5 mm thick specimen from molded material

APPROVAL AND HOMOLOGATION

- FDA (177.300 & 177.1550)
- Reg. EC 10/2011 (Reg. EC 1935/2004)

