

TECAFLON PVDF ELS black - 型材 (棒材, 板材, 管件)

化學命名

PVDF (聚二氟亞乙烯)

顏色

黑色 不透明

密度

1.78 g/cm³

添加物

黑色導電性碳

主要特色

- 導電性
- 優異的耐化學性
- 固有的防火性
- 連續使用溫度至150 °C
- 良好的滑動及耐磨特性
- 優異的耐候和耐UV性
- 優異的可焊接性

目標產業

- 化學技術
- 電子學
- 能源工業
- 機械工程

機械特性	參數	值	單位	標準	註解
彈性模數 (張力測試)	1mm/min	3100	MPa	DIN EN ISO 527-2	1)
降伏點抗拉強度	50mm/min	55	MPa	DIN EN ISO 527-2	
降伏點伸長率	50mm/min	4	%	DIN EN ISO 527-1	
斷裂伸長率	50mm/min	8	%	DIN EN ISO 527-2	
衝擊強度(Charpy)	max. 7.5J	67	kJ/m ²	DIN EN ISO 179-1	2)
球壓式硬度		162	MPa	ISO 2039-1	3)
					(1) For tensile test: specimen type 1b (2) For Charpy test: support span 64mm, norm specimen. (3) Specimen in 4mm thickness
熱特性	參數	值	單位	標準	註解
玻璃轉化溫度		-40	°C	DIN EN ISO 11357	1)
熔化溫度		177	°C	DIN EN ISO 11357	
使用溫度	long term	150	°C	-	
使用溫度	short term	150	°C	-	2)
					(1) Found in public sources. (2) Found in public sources. Individual testing regarding application conditions is mandatory.
電性特性	參數	值	單位	標準	註解
表面電阻		10 ² - 10 ⁶	Ω	DIN EN 61340-2-3	
其他特性	參數	值	單位	標準	註解
耐熱水/鹼		+	-	-	1)
耐候性		+	-	-	2)
					(1) + good resistance (2) + good resistance

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