

## TECAFORM AH UD blue - 型材(棒材,板材,管件)

### 化學命名

POM-C (聚縮醛 (共聚物))

### 顏色

藍色 不透明

### 密度

1.68 g/cm<sup>3</sup>

### 添加物

可偵測填充物

### 主要特色

- 金屬可偵測
- X光線下可見
- 藍色食物等級
- 良好的機械特性
- 良好的加工特性

### 目標產業

- 食品加工
- 食品工程
- 飲料填裝系統工程
- 打包機和造紙機
- 輸送機技術
- 醫藥產業

### 機械特性

參數	值	單位	標準	註解
抗拉強度	50mm/min	60	MPa	DIN EN ISO 527-2
彈性模數 (張力測試)	1mm/min	3300	MPa	DIN EN ISO 527-2
降伏點抗拉強度	50mm/min	60	MPa	DIN EN ISO 527-2
降伏點伸長率	50mm/min	13	%	DIN EN ISO 527-2
斷裂伸長率	50mm/min	13	%	DIN EN ISO 527-2
抗彎強度	2mm/min, 10 N	91	MPa	DIN EN ISO 178
彈性模數 (彎曲測試)	2mm/min, 10 N	3200	MPa	DIN EN ISO 178
壓縮強度	1% / 2% / 5% 5mm/min, 10 N	22/37/71	MPa	EN ISO 604
壓縮模數	5mm/min, 10 N	1600	MPa	EN ISO 604
衝擊強度(Charpy)	max. 7,5J	40	kJ/m <sup>2</sup>	DIN EN ISO 179-1eU
缺口衝擊強度(Charpy)	max. 7,5J	5	kJ/m <sup>2</sup>	DIN EN ISO 179-1eA
蕭氏硬度	D	82		DIN EN ISO 868

### 熱特性

參數	值	單位	標準	註解
玻璃轉化溫度	-60	°C	DIN EN ISO 11357	1)
熔化溫度	167	°C	DIN EN ISO 11357	
使用溫度	short term	140	°C	2)
使用溫度	long term	100	°C	
熱膨脹 (CLTE)	23-60°C, long.	11	10 <sup>-5</sup> K <sup>-1</sup>	DIN EN ISO 11359-1;2
熱膨脹 (CLTE)	23-100°C, long.	12	10 <sup>-5</sup> K <sup>-1</sup>	DIN EN ISO 11359-1;2

### 其他特性

參數	值	單位	標準	註解
吸水率	24h / 96h (23°C)	0,17/0,34	%	DIN EN ISO 62
耐熱水/鹼	(+)	-		1) 2)
耐候性	-	-		3)
耐燃性(UL94)	corresponding to	HB	DIN IEC 60695-11-10;	4)  (1) Ø ca. 50mm, h=13mm (2) (+) limited resistance (3) - poor resistance (4) Corresponding means no listing at UL (yellow card). The information might be taken from resin, stock shape or estimation. Individual testing regarding application conditions is mandatory.

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