

MATERIAL DATASHEET

Material Reference:

FLUORINOID® FL304

FEP (Copolymer of Tetrafluoroethylene and Hexafluoropropylene)

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> **Description** >

FL304 is a melt processible fluoropolymer with excellent chemical resistance and thermal properties, which are nevertheless not quite as good as those of PTFE. It has maximum use temperature of 205°C.

FEP films transmit a high percentage of ultraviolet and visible light and are much more transparent to the infrared spectrum than glass.

> **Standard 3.1 Certifiable Properties #**

Properties	Value	Method
Specific Gravity	2.12-2.17	BS EN ISO 13000-2
Tensile Strength	min. 20 MPa	BS EN ISO 13000-2
Elongation	min. 150%	BS EN ISO 13000-2
Hardness Shore D	57-63	BS EN ISO 13000-2

> **Additional Properties by Request #**

Properties	Value
UV Transmission (UV-A, 0.25mm Film)	95-96%

These figures are typical values for the material and do not represent a product specification. Properties will vary depending on the source of raw material, method of processing, physical form of the product, direction of measurement etc.