

# MATERIAL DATASHEET

**Material Reference:**  
FLUORONOID® FL325  
Virgin PCTFE

+44 (0) 845 2505 100   
info@fluorocarbon.co.uk   
www.fluorocarbon.co.uk 

## > Description >

An engineering thermoplastic with good thermal stability, good chemical resistance, very good physical properties, optical transparency and capable of being used at low temperatures and under radiation conditions.

## > Typical Physical Properties #

Properties	Value	Method
<b>Specific Gravity</b>	2.08–2.18	H-WI-28
<b>Tensile Strength</b>	> 31 MPa	H-WI-28
<b>Elongation</b> Compression Moulded Extruded Sections	> 20 % > 90 %	H-WI-28
<b>Compressive Strength</b> (@ 0.2% Offset) processed material	> 23 MPa	ASTM D695
<b>Shore Hardness</b>	75–90	ASTM D2240
<b>Zero Strength Time</b> Compression Moulded Extruded Sections	>200 seconds >100 seconds	ASTM D1430
<b>Continuous Temperature Range</b>	-260°C to 150°C	

H-WI-28 is an Internal Fluorocarbon Procedure for Testing Melt Processible Plastics

# 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.