



Material Datasheet

PCTFE

PDS nr.: PDS-IM-010, edition: 14/08/2018
Filler content: -
Color: Semi transparent
QC responsible: Ruben Denteneer

Density	ISO 1183 (23°C)	2,11 - 2,16	gr/cm ³
Moulding direction test samples (MD)			
Tensile Strength	IM-826 (23°C)	31,4 - 37,2	N/mm ²
Elongation @ break	IM-826 (23°C)	50 - 200	%
Compressive strength at 1% deformation		12 - 14	N/mm ²
Shore D hardness		D80	
Min. continuous operating temperature		-273	°C
Max. continuous operating temperature		140	°C
Max. operating temp.		150	°C
Thermal expansion up to 100°C		5,5	mm/mm.K.10 ⁻⁵
Water absorption	ISO 62 (50%RH, 23°C)	0,0	%
Coëfficiënt of friction at steel (Dynamic – 23°C)		0,30	
Coëfficiënt of friction at steel (Dynamic – 100°C)		0,45	