









Property	Unit	POM	450G	150CA30
tensile strength	MPa	64	100	224
elongation at break	%	30	100	2
flexural strength	MPa	90	131	355
flexural modulus	GPa	2,7	3,9	20,2
Izod impact strength (notched)	J/m	70	83	90
hardness (Rockw ell)	R	98	126	132
thermal expansion	10 ⁻⁵ /°C	11	4,7	1,5
density	g/cm³	1,41	1,32	1,44
HTD 1,8MPa	°C	106	152	315































Lubricity	Low coefficient of friction. Will not gall metals. Coating is very smooth when applied correctly.			
Abrasion Resistance	3X plus wear resistance versus PTFE and 5x better than PFA, 7x better than PPS. Virtually no particle sloughing.			
Mechanical Properties	4X strength of fluoropolymers.			
Heat Resistance	For use up to 260°C (500°F).			
Electrical Insulation	Consistent over wide range of temperature, frequency and humidity.			
Chemical Resistance	Inert in most chemical environments. Not affected by steam. Low moisture absorption.			
Purity / FDA Status	Extremely low extractable. Contact Victrex plc for current FDA compliant coatings.			











