

TECHNICAL DATA SHEET: HDPE
THREADED INSERT

	ISO	UNIT	CONDITIONS	RESULTS
General Properties				
Density	1183	g/cm ³	23°C	0.95 - 0.96
Thermal Properties				
Vicat softening point	306	°C		120 - 130
Low Temperature Brittleness	812	°C		20
Service Temperature				
Minimum		°C		-60
Maximum		°C		60 / 90
Mechanical Properties				
Tensile strength at yield	527	Mpa		20 - 35
Elongation at break	527	%		300 - 1000
Flexural Modulus	178	Mpa		900 - 1650
Flammability Properties				
Oxygen index	4589			15-17
		UL		
Flammability rating	94			HB
Chemical Properties				
Resistance to Weak / Strong Acids				Good/Bad
Resistance to Weak / Strong Alkalis				Good/Good
Resistance to Organic Solvents				Good below 80°C
Resistance to Oils and Greases				Attacked by some
Resistance to UV				Bad if unprotected