

PEEK-OPTIMA[®] HA Enhanced Polymer
Typical Material Properties⁽¹⁾

Rod Forms

Property	Method	Units	PEEK-OPTIMA Grade	
			Natural	HA Enhanced
Tensile Strength (Yield)	ISO 527	MPa	115	103
Tensile Elongation (Break)	ISO 527	%	20	8
Flexural Modulus	ISO 178	GPa	4	5.5
Flexural Strength	ISO 178	MPa	170	178
Izod Impact (Notched)	ISO 180	kJm^{-2}	4.7	4.4
Density	ISO 1183	g cm^{-3}	1.3	1.47
DSC				
T_m	ISO 11357	°C	341	341
T_g		°C	144	145
T_c		°C	289	287

⁽¹⁾Values stated are for evaluative purposes only and do not constitute product specifications.



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