



30% CARBON FILLED PEEK COMPOUND PL1003

TYPICAL PHYSICAL PROPERTIES

GENERAL	METHOD	US VALUE	SI UNITS
Specific Gravity	D792	1.4	1.4
Moisture Absorption @24 hrs.	D570	0.10%	0.10%
MECHANICAL			
Tensile Strength	D638	32 Kpsi	220 MPa
Tensile Modulus	D638	2.8 Mpsi	19 GPa
Ultimate Elongation	D638	2%	2%
Flexural Strength (Yield)	D790	49 Kpsi	335 MPa
Flexural Modulus	D790	2.6 Mpsi	18 GPa
Izod, Notched, ft-lb/in @ 1/8"	D256	1.4	0.75 J/cm
THERMAL			
Melting Point	DSC	644° F	340° C
Tg (Glass Transition)	DSC	289° F	143° C
HDT @ 264 psi	D648	600° F	315° C
Coefficient of Thermal Expansion	D696	2.9 uin/in- °F (<Tg)	5.2 um/m-°C

This information is to the best of our knowledge accurate and reliable. However, Marco Rubber makes no warranty, expressed or implied, that parts manufactured from this material will perform satisfactorily in the customer's application. It's the customer's responsibility to evaluate parts prior to use.