



MARCO RUBBER COMPOUND # PL1005

PTFE FILLED PEEK

Technical Datasheet

PL1005 is a high temperature thermoplastic material with excellent physical properties as well as good chemical compatibility with a wide range of compounds. PL1005 is filled with PTFE for lower friction in dynamic applications.

TYPICAL PHYSICAL PROPERTIES

PROPERTIES	ASTM NO.	VALUE
Color		Gray
Tensile Strength, psi	D638	12,000
Tensile Modulus, psi	D638	500,000
Elongation at Break, %	D638	18
Flexural Strength (Yield), psi	D790	21,000
Flexural Modulus, psi	D790	520,000
Izod, Notched, ft-lb/in @ 1/8"	D256	0.8
Hardness, Shore D	D2240	85
Specific Gravity	D792	1.39
Melting Point, °F	DSC	650
Tg (Glass Transition), °F	DSC	290
Flammability Rating (UL94)	UI-94	V-0
HTD @264 psi, °F	D658	340
Kinetic Coefficient of Friction	D1894	0.11
Static Coefficient of Friction	D1894	0.12
Shrinkage (MT/TD), in/in	D955	0.010/0.020
Moisture Absorption @24hrs., %	D570	0.1

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.