
Martens Hardness Per ISO 14577 (GPa)	>12
Vickers Hardness Per ISO 14577 (HV)	>2000.
Indentation Hardness Per ISO 14577 H _{IT} (GPa)	>22
Thickness (um)	3 - 5
C.o.F.	0.3 - 0.5
Service Temp	700°C



Superior Composition/Architecture

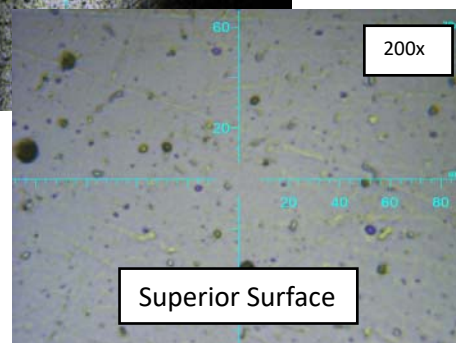
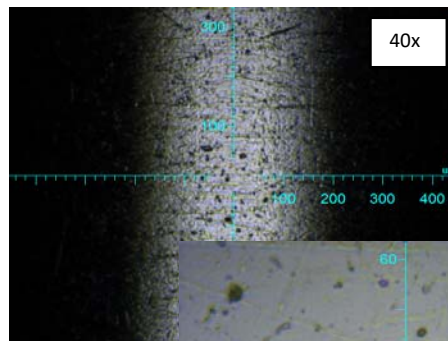
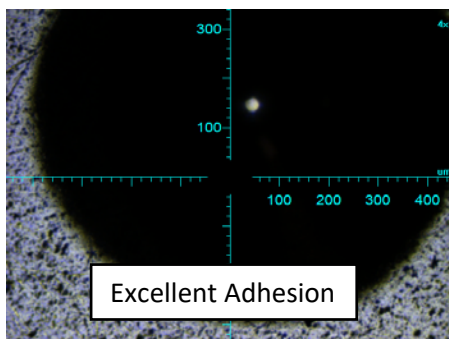
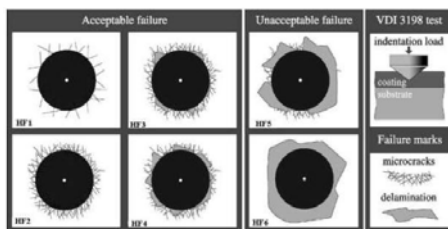
Optimal chemistry and layering for increased hardness and superior adhesion

Enhanced Morphology

Minimal 'droplet size' for a denser, harder film with fewer defects

Superior Surface Finish

High polish post-processing to prevent counterface wear



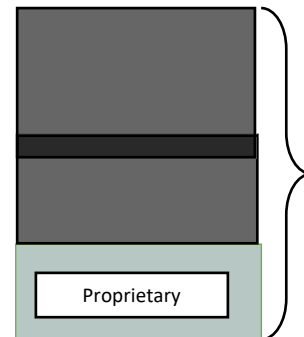
	Casidiam®
Martens Hardness ISO 14577 (GPa)	>9.5
Vickers Hardness (HV)	2500 typ.
Thickness (um)	3.5 – 5.5
C.o.F.	0.04 - 0.12
Service Temp	400°C (750°F)



Benefits:

- Extended **Durability**
- **Scratch** Resistance
- **High Temperature** resistance

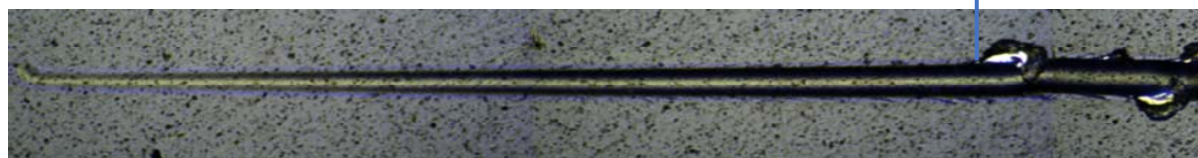
Casidiam®



Carbon Raptor®



Casidiam®



Diamond Indenter Scratch Test



Carbon Raptor® for the win!

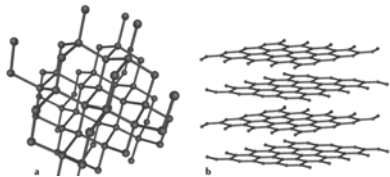
Combining the extreme hardness of **diamond** with the flexibility and lubricity of **graphite**, Carbon Raptor® is the ideal solution for the toughest of racing applications.



Martens Hardness ISO 14577 (GPa)	>8.1
Vickers Hardness (HV)	2200 typ.
Thickness (um)	3.5 – 5.5
C.o.F.	0.04 - 0.12
Service Temp	250°C (480°F)



Diamond + Graphite



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Diamond-Like Carbon (DLC)

