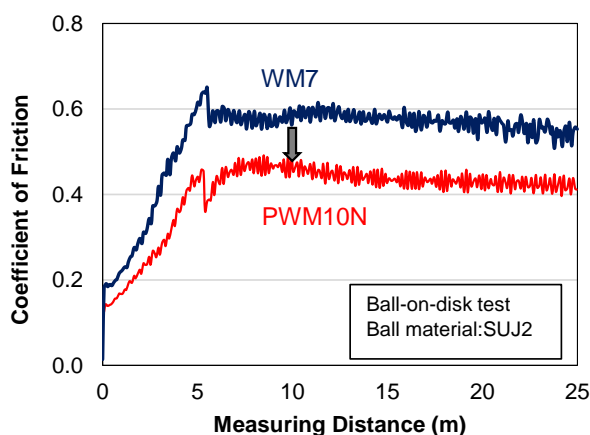


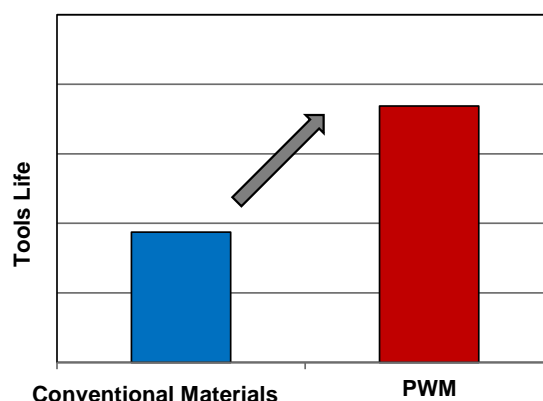
PWM is a cemented carbide which has excellent oxidation and seizure resistance. PWM has the characteristics of both WM series and P series by fusing low friction coefficient of P series to WM series having superior oxidation resistance, which is suitable for warm and hot forging.

Coefficient of Friction Comparison



The coefficient of friction of PWM10N is lower than that of WM7.

Tools Life Comparison



The life of PWM is twice as long as conventional materials.

Properties

| Grades | Specific Gravity | Hardness (HRA) | Transverse Rupture Strength (GPa) | Compressive Strength (GPa) | Fracture Toughness (MPa·m ^{1/2}) |
|--------|------------------|----------------|-----------------------------------|----------------------------|--|
| PWM10N | 14.40 | 85.0 | 2.1 | 3.9 | 23 |
| PWM16N | 13.70 | 83.0 | 2.4 | 3.5 | 26 |

※All data shown are typical values, not guaranteed values.

※We will not compensate any loss and damage caused by using all data.

※We reserve the right to modify the data due to technical progress.