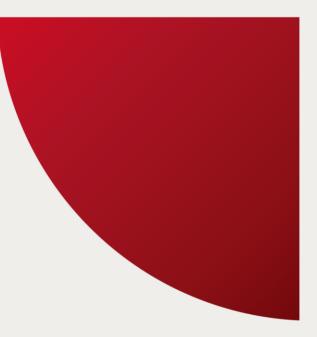
# New Ferrite-PPS compound (High Toughness) "TP-S76B"

未来を支える粒子になる。





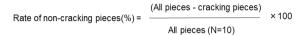
# New PPS compound (High Toughness) (Ferrite powders x PPS)

### Outline

#### $\cdot$ Higher toughness Ferrite×PPS compound than our standard grade.

Better freedom of design and productivity by higher thermal shock registance.

## Resistance of cracking

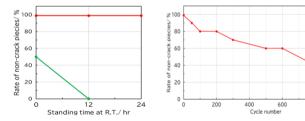


### Characteristic table

	Grade		TP-S76B	TP-S76C
	Merit		High Toughness	Standard
	Product scale		mass Product	
	Filler		Aniso. Ferrite	
Magnetic _ Properties _	Br	(mT)	270	269
		(G)	2700	2686
	bHc	(kA/m)	182	177
		(Oe)	2292	2226
	iHc	(kA/m)	235	219
		(Oe)	2953	2750
	(BH)max	(kJ/m <sup>3</sup> )	14.3	14.0
		(MGOe)	1.80	1.8
Physical - Properties _	Mold Density	$(g/cm^3)$	3.63	3.65
	MFR (330℃10kg)	(g/10min)	169	164
	flexural strength	(MPa)	72	109
	Flexural modulus	(GPa)	19.9	23.5
	IZOD Impact strength	(kJ/m <sup>2</sup> )	6	7

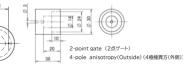
1) Standing at R.T. for 24hr

2) Heat cycle test



**%**Information of Test pieces







800

1000