

Property Comparison of "TPS Engineering Plastics sheet"



Item 項目	Unit 單位	N6	N6M-1	N6M-3	N66	HL-Super	POM
Density (密度)	—	1.14	1.14	1.14	1.14	1.15	1.14
Water absorption (吸水率) *1	%	3.6	3.6	3.6	32.7	2.6	0.2
Tensile modulus (伸張模數) *1	kg/cm ²	3700	4100	5200	6000	7000	14000
Tensile strength (伸張強度) *1	kg/cm ²	880	730	880	620	1300	560
Tensile elongation (延伸率) *1	%	700	480	610	480	80	90
Coefficient of friction (摩擦係數) *2		0.30 – 0.90	0.28 – 0.80	0.25 – 0.70	0.30 – 0.70	0.15 – 0.40	0.25 – 0.45
Marginal PV value (限界PV值) *2	kg/cm ² m/min	200	220	250	430	460	180

Remarks : *1 23C , RH 65%
*2 Test material – S45C

Comparison table of "TPS Engineering Plastics sheet"



Item 項目		N6	N6M-1	N6M-3	N66	HL-Super	POM
Anti-abrasion	High compression						
	Low compression		-				
Lubricating	High compression						
	Low compression		-				
Heat resistance (耐熱性)							
Dimension change moisture absorption							

- : Excellent
- : Good
- : Poor
- : Bad

QMFZ2.E242245
Plastics - Component

Plastics - Component

See General Information for Plastics - Component

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MISHIMA PLANT
757 KAKITA SHIMIZU-CHO
SUNTO-GUN, SHIZUOKA 411-0904 JAPAN

E242245

									H	D	
		Min.	H		R T I			V	4	C	
		Thk	Flame	W	A	Elec	Mech		T	9	T
Material Dsg	Color	mm	Class	I	I		Imp	Str	R	5	I
Polyamide 6 (PA6), furnished as sheets.											
SHT-N6M-1	BK	0.2-1.1	HB	-	-	65	65	65			
Polyamide 66 (PA66), furnished as sheets.											
HL-SUPER	BK	0.50-0.55	HB	-	-	65	65	65			
Polyetheretherketone (PEEK), furnished as sheets.											
SHT-PEEK4000											
	NC	0.10	HB	-	-	50	50	50			
		0.40	HB	-	-	50	50	50			
		0.50-0.55	V-1	-	-	50	50	50			
Polyetheretherketone (PEEK).											
SHT-PEEK4110											
	BK	0.2	HB	-	-	50	50	50			
		0.5	HB	-	-	50	50	50			
Polyphenylene Sulfide (PPS), furnished as sheets.											
SHT-PPS2000	NC	0.10-0.11	VTM-0	-	-	130	130	130			
		2.0-2.2	V-0	-	-	130	130	130			

Marking: Company name and material designation on container, wrapper or finished part.

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