PROPERTY CHART

Deg F (Deg C)

	Primary Material	Hardness (HS)	Rockwell Hardness	Shock Absorbing	Water Resistance	Heat Resistance (°F)*	Cold Resistance (°F)*	Chemical Resistance			
								Acid	Alkali	Ozone	Gasoline
RM, RE (2-1/2")	NR	85	-	G	E	180 (80)	-40 (-40)	G	G	F	X
RE (3",4", 5")	NR, BR	80	-	G	E	180 (80)	-40 (-40)	G	G	F	X
RA, RS, RC	NR, BR	65	-	E	F	210 (100)	-40 (-40)	X	X	X	X
RD	NR, BR	80	-	G	F	210 (100)	-40 (-40)	X	X	X	X
RR	NR, BR	65	-	E	E	180 (80)	-20 (-30)	X	G	X	X
RN	NR, BR	65	-	E	F	210 (100)	-40 (-40)	X	X	X	X
UD	U	95	-	G	F	180 (80)	-40 (-40)	X	X	G	E
UG	TPU	92	-	F	F	180 (80)	-40 (-40)	X	X	G	E
UN (3")	Nylon, TPU	98	-	F	F	180 (80)	14 (-10)	X	X	G	E
UN (4")	Nylon, TPU	92	-	F	F	180 (80)	14 (-10)	X	X	G	E
NB, NM, NH	Nylon	-	R103~R118	X	E	250 (120)	14 (-10)	X	E	E	E
MB, MH	Monomer-Cast Nylon	-	R118~R120	X	E	300 (150)	14 (-10)	X	E	E	E
TP, TC, TB	PP, TPR	92	-	F	E	210 (100)	-40 (-40)	G	G	G	F
UP	PP, TPU	90	-	F	F	180 (80)	-40 (-40)	X	X	G	E

*Caution:Deg F in the above chart are conversions from Celcius and may have discrepancy due to conversion factor

NR=Natural Rubber
BR=Butadiene Rubber
U=Castable Urethane Rubber
TPR=Thermoplastic Rubber
TPU=Thermoplastic Urethane
PP=Polypropylene

E=Excellent
G=Good
F=Fair
X=Unacceptable

NANSIN QUALITY STANDARD

Running Test In the running test, load the caster with its load of capacity in catalogue, and allow to rotate a steel drum with obstacles by 6 miles (10km) at a speed of 2.5mile/h (4km/hr). The obstacles attached on the rotating drum shall be one piece per about 40inch(1m) on the periphery of drum and the shape and dimensions shall be in accordance with Figure 1.

Conditions:

r : radius of obstacles *1
D: outside diameterof the specimen wheel
L : load capacity (daN) *2

*1: Rubber - 5% of wheel diameter. Nylon, Polyurethane - 2.5% of wheel diameter.
*2: Load capacity to be determined to 1/7~1/10 daN of max. load (daN)

Fig. 1