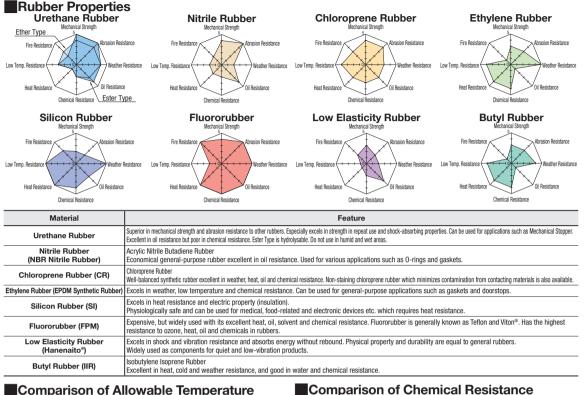
Rubber Properties



Comparison of Allowable Temperature Temperature Characteristics



0 0 △-○ Ø 0 0 0 0 O 0 0 Strong Alkali 0 × x-△ △-○ X-△ X-△ X-^ Ether Keton ×

Urethane

Hard

Sof

Nitrile Chloroprene Ethylene Butyl Fluorine Silicon Low Elasticit

Ref.: Bending Test by Hardness

Width 30mm. Length 40mm

Shore A50

Shore A30

R

Shore A15

Test Conditions: General Urethane, Thickness 5mm.

When pulled by push-pull gauge with the load 5N

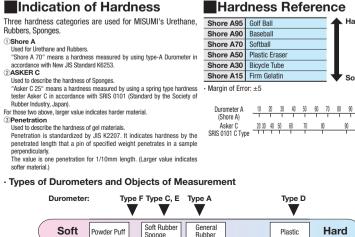
Shore A95

Shore A90

Shore A70

x-0 0 0 × × × \bigcirc = Excellent, \bigcirc = Good, \triangle = Acceptable, × = Not Acceptable

Indication of Hardness



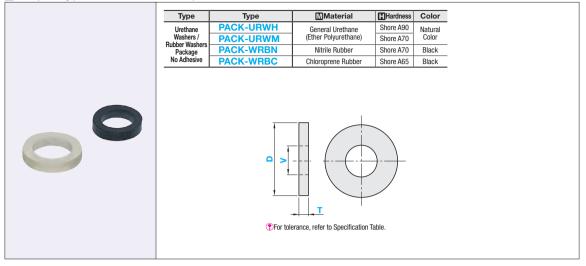
There are various types of durometer, instrument to measure the hardness of a material, depending on the property of the measured material. For urethane and rubber, Type A (Asker Durometer Type A) compliant with JIS K 6253 is most commonly used. Hardness of materials softer than urethane and rubber is measured by Asker Type C or Type E. Shock absorbing gel is soft 2-371 and super flexible material whose hardness is measured by Asker Type F.

Sponge

Urethane Washers / Rubber Washers

Washer Package

Offers punching-processed washers at reasonable price



Yellow Discoloration of Urethane Notes Blanking (Punching) may cause concave on the 0.D. For T dimension 3~5mm, the center of the washer may deform into dented shape while it hardly deforms for T dimension Tmm. Urethane turns yellow by aging, but physical property or characteristics remain unchanged



Part Number													Toler	Pcs. per Package				
Toma	-	V						т			T1	or 3	T5		T1 or 3	T C		
Туре	D												D	V	D	V	11 or 3	T5
PACK-URWH (Urethane Shore A90)	8	3	4							1	3		±0.6	0~+0.6	±0.7	0~+0.7	100	50
	10	3	4	5	6					1	3	5						
PACK-URWM (Urethane Shore A70)	12			5	6	8				1	3	5	±0.8	0~+0.8	±0.9	0~+0.8		
	15				6	8	10			1	3	5						
PACK-WRBN (Nitrile Rubber Shore A70)	20					8	10	12			3	5					1	
PACK-WRBC (Chloroprene Rubber Shore A65)	25						10	12	16		3	5	±0.9	0~+0.9	±1.0	0~+1.0	50	
	30						10	12	16		3	5						
Ordering Example Part Number PACK-URWH20		V 10] -	Т 5							5	Pri	ce Conf	igure Or	nline			

Davs Configure Online to Shir

Part Number	Unit Price												
Туре	D		CK-UR ane Shor			CK-UR nane Shor		PACK-WRBN (Nitrile Rubber Shore A70)			PACK-WRBC (Chloroprene Rubber Shore A65)		
		T1	Т3	T5	T1	Т3	T5	T1	T3	T5	T1	Т3	T5
PACK-URWH PACK-URWM PACK-WRBN PACK-WRBC	8			-			-	ĺ		-			-
	10												
	12												
	15												
	20												
	25	-			-			1 -			-		
	30				1			1			-		