



1. High Consistency Silicone Rubber (HCR) Bases

Type	Grade Name	Density g/cm ³	Hardness (Shore A)	Tensile Strength (Mpa)	Elongation at Break %	Tear Strength (KN/m)	Curing Condition
general purpose for molding (precipitated filler), good rebounding	XHG-2031	1.07	30/27*	5.7/5.5*	840/700*	14/13*	45% active DBPH, 1%; press cure: 10min/170°C post cure: 2 h/200°C
	XHG-2041	1.12	40/40*	7.5/7.4*	700/540*	18/14*	
	XHG-2051	1.16	52/54*	8.8/8.2*	580/400*	23/19*	
	XHG-2061	1.19	61/63*	8.2/8.1*	460/320*	23/19*	
	XHG-2071	1.22	69/73*	7.6/7.7*	420/260*	24/21*	
	XHG-2081	1.24	82/84*	6.6/7.1*	220/140*	16/15*	
	XHG-2091	1.26	90/92*	5.5/5.4*	110/70*	10/9*	
general purpose for molding (precipitated filler)	XHG151-10	1.050	11/9*	4.0/2.0	1100/800	9/7*	45% active DBPH, 1%; press cure: 10min/170°C post cure: 2 h/200°C
	XHG151-20	1.07	20/17*	7.0/5.9*	1100/900*	13/11*	
	XHG151-30	1.094	31/29*	7.5/7.0*	900/750*	23/20*	
	XHG151-40	1.12	40/40*	9.5/7.2*	785/530*	26/26*	
	XHG151-50	1.15	51/52*	9.5/7.8*	580/450*	30/27*	
	XHG151-60	1.18	60/65*	9.2/7.8*	500/300*	30/26*	
	XHG151-70	1.21	70/72*	8.0/7.1*	350/230*	29/29*	
	XHG151-80	1.241	81/83*	7.7/7.0*	250/180*	23/20*	
	XHG151-90	1.252	85/88*	7.9/7.2*	230/160*	24/20*	
extrudable (precipitated filler)	XHG-351	1.16	50/52*	9.9/7.8*	500/380*	22/18*	50% active DBPH, 1.3%; press cure: 10min/115°C post cure: 2 h/200°C
	XHG-361	1.20	61/64*	8.9/7.3*	400/300*	24/18*	
	XHG-371	1.20	72/74*	8.7/7.5*	300/220*	24/16*	
extrudable (precipitated filler)	XHG-381	1.23	82/84*	7.0/6.7*	200/200*	24/19*	50% active DBPH, 1.3%; press cure: 10min/115°C post cure: 2 h/200°C
	XHG-3031	1.110	29	6.5	750	16	
	XHG-3041	1.113	39	8.0	600	17	
	XHG-3051	1.16	52/55*	8.9/7.7*	450/340*	23/20*	
	XHG-3061	1.18	61/63*	8.2/7.2*	350/220*	22/19*	
	XHG-3071	1.21	70/73*	8.9/7.9*	300/240*	23/18*	
	XHG-3081	1.24	75/78*	6.5/6.0*	250/200*	22/17*	
general purpose for molding (fumed filler)	WRB2800-30	1.10	30/30*	8.6/7.1*	980/860*	19/23*	45% active DBPH, 1%; press cure: 10min/170°C post cure: 2 h/200°C
	WRB2800-40	1.15	40/47*	10.5/10.0*	950/850*	37/38*	
	WRB2800-50	1.13	51/54*	10.7/9.5*	650/550*	37/37*	
	WRB2800-60	1.18	61/61*	11.7/11.0*	730/685*	35/36*	
	WRB2800-70	1.18	70/73*	10.4/11.0*	450/365*	40/40*	
	WRB2800-80	1.23	81/82*	8.0/9.2*	415/565*	30/32*	

Type	Grade Name	Density g/cm ³	Hardness (Shore A)	Tensile Strength (Mpa)	Elongation at Break %	Tear Strength (KN/m)	Curing Condition
extrudable (fumed filler)	WRB2800-41	1.11	39/39*	10.3/9.7*	615/565*	28/29*	50% active DCBP, 1.3%; press cure: 10min/115°C post cure: 2 h/200°C
	WRB2800-51	1.15	50/52*	10.0/9.4*	600/535*	28/30*	
	WRB2800-61	1.17	58/62*	10.5/9.5*	500/420*	32/37*	
	WRB2800-71	1.19	67/68*	11.0/10.6*	500/435*	38/32*	
	WRB2800-81	1.22	72/76*	9.1/10.0*	430/400*	36/36*	
extrudable (fumed filler)	WRB2800-22	1.07	22/21*	8.4/7.5*	1140/800*	16/17*	platinum catalyst, part A 0.5%; part B 1.1%; press cure: 10min/120°C post cure: 2 h/200°C
	WRB2800-42	1.09	40/42*	9.5/9.8*	900/865*	30/29*	
	WRB2800-52	1.14	47/51*	9.1/9.4*	800/770*	29/31*	
	WRB2800-62	1.16	59/62*	9.0/9.5*	580/600*	40/42*	
	WRB2800-72	1.20	75/82*	9.8/9.0*	500/330*	43/25*	
	WRB2800-82	1.20	79/84*	10.1/7.9*	400/220*	40/35*	

*data based on post cure: 2h/200°C ; other data based on press cure 10 min at 170°C

2. High Consistency Silicone Rubber (HCR) Bases

Type	Grade Name	Density g/cm ³	Hardness (Shore A)	Tensile Strength (Mpa)	Elongation at Break %	Tear Strength (KN/m)	Curing Condition
general purpose (ppt filler for molding with peroxide)	TY351-10	1.01	10	1.0	700	5	40% active DBPH, 1%; press cure: 10min/170°C
	TY371-20	1.09	20	6.0	900	17	
	TY371-30	1.10	29	7.5	800	20	
	TY371-40	1.14	39	8.5	650	25	
	TY371-50	1.17	51	8.5	500	25	
	TY371-60	1.21	61	8.5	500	28	
	TY371-70	1.23	70	8.2	400	30	
	TY371-80	1.25	80	8.2	280	30	
	TY351-90	1.24	90	7.5	70	15	
extrudable (precipitated filler)	TY4366-30	1.112	30	6.0	700	22	50% active DCBP, 1.3%; press cure: 10min/115°C post cure: 2 h/200°C
	TY4366-40	1.142	40	8.0	550	25	
	TY4366-50	1.188	50	8.0	550	30	
	TY4366-60	1.195	60	8.0	450	28	
	TY4366-70	1.215	68	7.0	300	28	
	TY4366-80	1.245	79	7.0	200	22	



Type	Grade Name	Density g/cm ³	Hardness (Shore A)	Tensile Strength (Mpa)	Elongation at Break %	Tear Strength (KN/m)	Curing Condition
general purpose (fumed filler for molding with peroxide)	TY171-10	1.02	8.0*	1.5*	600*	8.0*	50% active DBPH, 1%; press cure: 10min/170℃ post cure: 2 h/200℃
	TY171-20	1.06	18*	5.0*	800*	15*	
	TY171-30	1.11	30*	9.0*	850*	20*	
	TY171-40	1.11	40*	9.0*	750*	32*	
	TY171-50	1.14	52*	9.0*	550*	35*	
	TY171-60	1.17	63*	10.5*	600*	38*	
	TY171-70	1.18	72*	10*	420*	33.5*	
	TY171-80	1.22	82*	8.5*	320*	30*	
general purpose (fumed filler for extrusion with peroxide)	TY971-90	1.24	90*	8.0*	100*	20*	DCBP, 1.3%; press cure: 10min/120℃ post cure: 2 h/200℃
	TY4171-30	1.12	30*	8.5*	700*	25*	
	TY4171-40	1.12	39*	9.0*	510*	30*	
	TY4171-50	1.15	53*	10*	380*	35*	
	TY4171-60	1.18	62*	10*	350*	30*	
	TY4171-70	1.21	72*	10*	400*	35*	
high transparency for extrusion with peroxide	TY4171-80	1.23	79*	9.5*	300*	35*	DCBP, 1.3%; press cure: 10min/120℃ post cure: 2 h/200℃
	TY4771-40	1.13	45*	10.5*	520*	30*	
	TY4771-50	1.15	54*	10*	450*	28*	
high transparency and strength for molding with peroxide	TY4771-70	1.18	71*	11*	330*	32*	40% active DBPH, 1%; press cure: 10min/170℃ post cure: 2 h/200℃
	TYS771-40	1.12	41*	11*	920*	30*	
	TYS771-50	1.14	54*	11*	650*	36*	
general purpose (fumed filler for extrusion with platinum catalyst)	TYS771-70	1.19	71*	10*	550*	42*	platinum catalyst, part A 0.5%; part B 1.6%, press cure: 10min/ 120-160℃ post cure: 2 h/200℃
	TY5171-40	1.13	42*	10*	620*	30*	
	TY5171-50	1.14	53*	10*	590*	35*	
	TY5171-60	1.17	65*	10*	400*	35*	
	TY5171-70	1.21	79*	9.0*	400*	35*	
high transparency for extrusion with platinum catalyst	TY5171-80	1.23	84*	7.0*	400*	30*	platinum catalyst, part A 0.5%; part B 1.6%, press cure: 10min/130℃ post cure: 2 h/200℃
	TY5771-50G	1.15	55*	10*	500*	30*	
	TY5771-60G	1.17	66*	11*	530*	33*	
	TY5771-70G	1.20	73*	11*	450*	35*	
	TY5771-80G	1.21	87*	9.0*	200*	32*	
flame retardant (white color)	TY26E9-30	1.34	30	6.0	800	20.5	40% active DBPH, 1%; press cure: 10min/170℃
	TY26E9-40	1.38	39	7.5	650	20	
	TY26E9-50	1.44	49	7.0	450	21	

Type	Grade Name	Density g/cm ³	Hardness (Shore A)	Tensile Strength (Mpa)	Elongation at Break %	Tear Strength (KN/m)	Curing Condition
flame retardant (white color)	TY26E9-60	1.52	58	7.5	250	20	40% active DBPH, 1%; press cure: 10min/170℃
	TY26E9-70	1.44	70	8.0	200	20	
	TY26E9-80	1.56	81	8.0	200	20	
flame retardant (black color)	TY2961-30	1.28	28	4.0	750	15	40% active DBPH, 0.6%; press cure: 10min/170℃
	TY2961-40	1.40	43	5.0	600	18	
	TY2961-50	1.48	54	5.0	500	20	
	TY2961-60	1.50	57	5.0	450	20	
	TY2961-70	1.53	71	4.5	250	18	
	TY2961-80	1.56	80	4.5	200	12	
heat resistant (translucent)	TY3961-30	1.11	31*	6.5*	780*	16*	40% active DBPH, 1%; press cure: 10min/170℃ post cure: 2 h/200℃
	TY3961-40	1.15	37*	8.0*	750*	23*	
	TY3961-50	1.17	52*	10*	580*	35*	
	TY3961-60	1.19	62*	10.5*	430*	41*	
	TY3961-70	1.19	71*	11*	330*	42*	
	TY3961-80	1.24	78*	9.0*	150*	15*	
heat resistant (cream yellow)	TY3961-90	1.24	87*	9.5*	140*	30.5*	40% active DBPH, 1%; press cure: 10min/170℃ post cure: 2 h/200℃
	TY3751-40	1.17	43*	9.5*	620*	28*	
	TY3751-50	1.19	51*	11*	500*	35*	
low compression set (translucent)	TY3751-60	1.21	60*	10.5*	480*	36*	40% active DBPH, 1%; press cure: 10min/170℃ post cure: 2 h/200℃
	TY3751-70	1.22	69*	11*	330*	37*	
	TY9551-40	1.11	40	7.5	550	24	40% active DBPH, 1%; press cure: 10min/170℃
Low compression set(cream yellow)	TY9551-50	1.15	50	7.8	410	25	
	TY9551-60	1.18	59/62*	8.5/8.5*	400/280*	31/30*	
	TY9551-70	1.20	67/71*	8.5/8.0*	300/200*	33/30*	
	TY9551-80	1.21	78	8	180	23	
low compression set (non post-cure)	TY9241-20	1.06	18*	4.0*	900*	13*	40% active DBPH, 1%; press cure: 10min/170℃
	TY9241-30	1.11	30*	9.0*	800*	25*	
	TY9241-50	1.14	50*	9.5*	400*	30*	
high volatage insulation	TY9641-40	1.10	40	9.0	550	25	40% active DBPH, 1%; press cure: 10min/170℃
	TY9641-80	1.44	82	9.0	120	18	
	TY6861-60	1.50	58	4.0	220	12	
	TY6861-70	1.55	67	4.0	220	10.0	
	TY6961-60	1.48	62	5.0	300	13.5	



Type	Grade Name	Density g/cm ³	Hardness (Shore A)	Tensile Strength (Mpa)	Elongation at Break %	Tear Strength (KN/m)	Curing Condition
steam resistant	TYA151-50	1.13	51*	8.0*	420*	32*	40% active DBPH, 1%; press cure: 10min/170℃
	TYA151-60	1.16	63*	10.5*	430*	36*	
oil resistant	TYB171-70	1.39	72	6.5	200	20	DCBP, 1.3%; press cure: 10min/120℃
ceramizable for safety cable	TY2871-70	1.43	70	7.2	190	25	
high strength, flame retardant for extrusion with peroxide	TY2761-60GU	1.25	61	9.0	500	35	
medical tubing (two parts platinum catalyst pre-mixed)	TYE771-40G	1.11	44*	6.5*	650*	30*	platinum catalyst, part A 1.0%; part B 1.0%; press cure: 10min/130℃
	TYE771-70G	1.19	76*	7.0*	800*	32*	
medical tubing (two parts platinum catalyst)	TYE771-70AP	1.19	73*	11*	500*	43*	platinum catalyst, part A 0.5%; part B 1.0%; press cure: 10min/130℃
medical tubing for extrusion with peroxide	TYE771-60AH	1.16	61*	10.5*	500*	30*	DCBP, 1.3%; press cure: 10min/120℃

3. Fluorosilicone rubber

Type	Grade Name	Hardness (Shore A)	Tensile Strength (Mpa)	Elongation at Break %	Tear Strength (KN/m)	Compression Set % 175℃, 22h	Curing Condition
fluorosilicone rubber for turbocharger hose	WFS-3150	50 ± 5	≥ 9.0	≥ 350	≥ 18	≤ 20	45% active DBPH, 1%; press cure: 5 min/175℃ post cure: 4 h/200℃
	WFS-3160	60 ± 5	≥ 9.0	≥ 300	≥ 18	≤ 20	
	WFS-3170	70 ± 5	≥ 9.0	≥ 250	≥ 18	≤ 20	
fluorosilicone rubber for gasket	WFS-3240	40 ± 5	≥ 8.0	≥ 350	≥ 18	≤ 15	45% active DBPH, 1%; press cure: 5 min/175℃ post cure: 4 h/200℃
	WFS-3250	50 ± 5	≥ 9.0	≥ 350	≥ 18	≤ 15	
	WFS-3260	60 ± 5	≥ 9.0	≥ 300	≥ 18	≤ 15	
	WFS-3270	70 ± 5	≥ 9.0	≥ 250	≥ 18	≤ 15	

4. Phenylsilicone rubber

Type	Grade Name	Hardness (Shore A)	Tensile Strength (Mpa)	Elongation at Break %	Tear Strength (KN/m)	Compression Set % 175℃, 22h	low Temperature Resistance (DSC), ℃	Curing Condition
phenylsilicone rubber for low temperature resistance	WPHS-3140	40 ± 5	≥ 7.0	≥ 400	≥ 20	≤ 25	≥ -80	45% active DBPH, 1~2%; press cure: 10 min/170℃ post cure: 4 h/200℃
	WPHS-3150	50 ± 5	≥ 7.0	≥ 400	≥ 20	≤ 30	≥ -70	
	WPHS-3160	60 ± 5	≥ 8.0	≥ 300	≥ 20	≤ 35	≥ -70	
	WPHS-3170	70 ± 5	≥ 8.0	≥ 200	≥ 20	≤ 40	≥ -60	

5. Liquid Silicone Rubber(LSR)

Type	Grade Name	Density g/cm ³	Hardness (Shore A)	Tensile Strength (Mpa)	Elongation at Break %	Tear Strength (KN/m)	Application
general purpose	TYL-6120/20	1.09	20	6.5	800	20	baby care products technical parts swimming products kitchenware
	TYL-6120/30	1.11	30	7.5	650	25	
	TYL-6120/40	1.12	40	9.5	700	42	
	TYL-6120/50	1.12	50	9.5	650	32	
	TYL-6120/60	1.14	60	9.5	550	40	
	TYL-6120/70	1.13	69	9.0	500	35	
	TYL-6120/50-G	1.12	50	9.0	600	30	
	TYL-6420/60	1.13	57	9.5	600	30	
	TYL-6421/30	1.09	32	6	650	13	
	TYL-6421/55	1.12	51	8.5	650	33	
for coating	TYL-6421/70	1.13	66	7	450	25	textile coating
	TYL-6B20/25-C	1.08	25	6	650	12	
	TYL-6B20/30-C	1.08	32	6.5	500	12	

data based on properties without post cure.

