

Jvtech silicone technology Standard book of injection molding operation

				<u> </u>		Stanual				molu	ing ope	atio	•				n	-3-C-145	
Mould No.:			JT23F0	19P		Product name		Speaker Enclosures			Machine Type. 160		160T	Net weight		46g			
Production Date.			2023.8.1			Release Date.		2023.8.1			Material:		2003-40/FJ-1884						
Operating Tools:			Air guns			, plastic parts, gloves,		Cavity: 1		1*1	Editio	Edition: A		Р	reface:	0	0		
								ing conditio											
Front Mold Temp:				25-130°C		post-mold temperature:	115℃ Injectior	- Page	Actual:	110-112°C	Mat	erial loading	220		Figstorn	200	Inject	on unit page	
			de setting page ond Third Molde Op		Oppressive	Clamp	First stage			Fourth stage	Clamp	-	First stage Second stage		Ejector page Ejector forward			Injection unit page Injection unit forward	
Clamp						Clamp		-	_	_	Pressures	First staye					Flow		
Flow rate %	35	55	15	10	75	Flow rate%	35	18	\	\	bar		65	Clamp	First stage	Second stage	rate% Pressure	15	
Pressures bar	60	60	65	30	165	Pressures bar	75	55	\	\	Flow rate%	55	١	Flow rate%	5	20	s bar	15	
Positon mm	285.0	100.0	00.0 10.0 2.5		2.5	Positon mm	80.0	75.0	Λ	۸	Back Pressures bar	5.0	١	Pressur es bar	35	45	Time s	3.0	
Mold holding t	fold holding time		1s			Injection Time	15s	Screw set	position	67.5mm	Positon mm	80	١	Positon mm	5	45	Injectio	on unit retract	
Mold open	Fifth	Fourth	Third	Second	First	Fourth	Third stage	Second stage	First stage	Clamp	Clamp	D&R	D/R		Ejector re	tract	Flow rate%	10	
Flow rate/%	25	55	65	45	40	١	\	\	3	Flow rate%	Flow rate/%	\	١	Clamp	First stage	Second stage	Pressure	15	
Pressures/bar	35	70	85	85	65	\	\	\	25	Pressures	Pressures	\	\	Flow	5.0	20.0	Time	0.3	
Positon/mm	400.0	300.0	200.0	50.0	5.0	\	\	· ·	1.5	/bar Holding time	/bar Positon	\ \	\	rate% Pressur	25.0	35.0	s Carriage		
Vacuuming ti				30s		Cooling Time	60s	Cycle time		50s	/mm Time/s	1	\	es Positon	5.0	35.0	retract	Auto	
vacuuming u	me			305		Cooling time	005	Operatio			Time/s	`	1	mm	5.0	55.0	mode		
STEP4							STEP5							STEP6	EP6				
Opreation	m w 7:	ave the hachine and orkstation S been horoughly	ОК	Check mold i Moldin condit	s loose.	Close the door and start production.	OK After the mold opens, use an air gun to assist removing the product. Blow the front and rec clean with the air gun to remove any flash. Pi plastic part with the apile ad adhesive into the ensuring it is correctly positioned. Close the of continue the production cycle.				ar molds lace the ie mold,	OK Clean off the flash from the product and trim the venting pins.			be good and defective products separately, and record the details in the			eader/technician	
1 At the heating	na of t	ha chift	chock th	10.75 of	the machin		eration ste		cofoty hore	rde					Set the follo	Other pa			
	At the beginning of the shift, check the 7S of the machine and the surrounding area for thoroughness and any safety hazards. Properly hand over with the incoming shift, while checking for scratches on the mold surface, loose screws, and whether the molding parameters match the standard															Set the following adjustments based on the characteristics of the mold products:			
4. After the mole and continue the 5. Remove any fl spots, bubbles, v	cumentation. mmediately report any abnormalities to the team leader or technician for handling. After confirming everything is normal, close the door and start the machine for production. If the mold opens, use an air gun to assist in removing the products one by one, then blow the front and rear molds clean with the air gun to remove any flash. Close the door d continue the production cycle. Itemove any flash from the products, then independently inspect the parts, and check the color samples. Examine the product's appearance for defects such as impurities, black ts, bubbles, whitening, lack of material, deformation, adhesive residue, and flash (refer to the silicone cover defect image table). lassify the inspected parts into good and defective products and place them in the corresponding boxes for continued operation.															Injection pressure: ±10 bar Main pressure: ±10 bar Molding temperature: ±10°C Injection speed: ±10% Pressure deviation of Agent A and Agent B: ≤10 bar Cooling time: ±2 seconds Injection time: ±2 seconds Water circulation temperature: 24°C			
Packaging standa One bag per box Precautions:				ons: inner	length, wid	th, and height 55*45*40 cm.	PE plastic bag	dimensions: le	ngthwidthc	ornerwidth 10	050 mm*1050	mm*2			1				
1.During the op	peratio	n, you m	nust con	duct sel	f-inspectic	n. If any abnormalities are	e found, repo	ort them to the	e shift lead	ler/technicia	in in a timely i	manner.							
2.According to	produo	t requir	ements	, wear g	loves or fin	ger cots during operatior	n to avoid cor	ntaminating t	ne product	and preven	t finger burns	5.							
3.During opera nold surface.	tion, er	isure th	at the ai	ir gun he	ead is cove	red with a rubber hose. T	he length of	the rubber hc	ose protruc	ling from the	e gun head sh	nould be at	least 5 mm	to prev	ent the me	tal gun head t	from scrat	ching the	
After debuggin	ıg is no	rmal, IP	QC will J	produce	the first p	ture at regular intervals du iece. To ensure quality, th the incoming shift perso	e first 10 mo	lds of produc	ts produce	d before ma	ss production						mmediat	ely.	

Note: The raw material production ratio is 1:1 with a tolerance of 10%. The injection material quantity should be based on the actual parameters of the A/B agents from the dosing machine. The pressure difference