

☐ Prototype ☐ Pre-Launch ☒ Production															CONTROL PLAN									
Control Plan N° KUN_QI-PDS-16 Ind L										Contact : János Zsár Phone : +36 70 5158408					Date (Orig) 11.09.2015			Date (Rev) 28.02.2022						
Description / Process: OFFLINE CUTTING										Project team NJ / KDA / ZSJ / SZJ / KE					Customer Engineering approval / Date (if needed)									
Designation / process: CUT PARTS										Quality approval /Date János Zsár					Customer quality approval / Date (if needed)									
Cég. FEDERAL MOGUL SP			Telephely KIMLE			Production approval /Date Kozma Gyula					Other approval / Date (if needed)													
Article / Proc. #	Process/ Operation Description	Machine, Equipment, production Tool	Characteristics			Special Characteristics	Methodology		Sample	Frequency			Method of Monitoring	Reaction plan KUN_QP13-01										
			N°	Product	Process		Specification Product / Process / Tolerance	Evaluation / Measurement methods		Sample														
										Freq. Level 1	Freq. Level 2	Freq. Level 3												
10					Choice of the material		Timetable of Winding / Braiding <i>Instruction Sheet</i>	Visual + coherence test		1/Set + 1/Spool				See with the responsible										
20	Preparation of Metzner offline cutting machine	Spool holder			winding up on the right lines		KUN_QI-FAB 606	Visual + Indicator Position		1/Set + 1/Spool				Stop Production										
		Brake device, rollers			Path		KUN_QI-FAB 606 right direction of the raw material	Visual		1/Set +1/Spool				Stop production, re-roven the tape										
		Conveyor			Tension of the pulling tight		KUN_Source 1211_01/02	Visual + Potentiometer		1/Set				Stop Production, Ask maintenance request										
	Preparation of the raw material	Metzner cut machine		Raw material	PO and raw material conformity		Scan the PO and the raw material together to confirm the correct material to be used at the production KUN_QI-INS-083	Visual, Scanner	1/S	1/Set +1/S			MfgPro	Stop production, IT request KUN_QF 606										
	Preparation of Metzner cutting machine set up	Cutting blade			Type of blade (Cold or Hot)		KUN_QI-FAB 606 the proper blade is fixed at the right place in the right position For CUT5 prep: KUN_QI-FAB 687	Visual		1/Set				Stop Production, Ask maintenance request										
					State/dirting on cutting blade		undamaged and not twisted blade	Visual		1/Set				Stop production, Change the blade										
					Set the temperature of the cutting blade		only for hot cut	Visual + Intensity display		1/Set				Stop Production, Ask maintenance request										
					Presser roll		if the lenght < 100mm use the presser roll	Visual		1/Set				Stop Production, Ask maintenance request										
		Display			Length setting		According to OF KUN_Source1211_01/02 For CUT5: KUN_QI-FAB 687	Visual		1/Set				Stop Production, Ask maintenance request										
					Quantity setting		According to OF KUN_QI-FAB 606 For CUT5: KUN_QI-FAB 687	Visual		1/Set				Stop Production, Ask maintenance request										
				Cutting mode setting (Cold or hot)		KUN_QI-FAB 606 KUN_Source 1211_01/02 For CUT5: KUN_QI-FAB 687	Visual		1/Set				Stop Production, Ask maintenance request											

☐ Prototype ☐ Pre-Launch ☒ Production CONTROL PLAN														
Control Plan N° KUN_QI-PDS-16 Ind L						Contact : János Zsár Phone : +36 70 5158408				Date (Orig) 11.09.2015			Date (Rev) 28.02.2022	
Description / Process: OFFLINE CUTTING						Project team NJ / KDA / ZSJ / SZJ / KE				Customer Engineering approval / Date (if needed)				
Designation / process: CUT PARTS						Quality approval /Date János Zsár				Customer quality approval / Date (if needed)				
Cég. FEDERAL MOGUL SP			Telephely KIMLE		Production approval /Date Kozma Gyula				Other approval / Date (if needed)					
Article / Proc. #	Process/ Operation Description	Machine, Equipment, production Tool	Characteristics			Special Characteristics	Methodology		Sample				Method of Monitoring	Reaction plan KUN_QP13-01
			N°	Product	Process		Specification Product / Process / Tolerance	Evaluation / Measurement methods	Sample	Frequency				
										Freq. Level 1	Freq. Level 2	Freq. Level 3		
20	Cutting	Metzner cut machine		Appearance			KUN_QI-GAM 16	Visual	max. 25 pcs (~handful)	1/ Set KUN_QI-FAB-30			SPC Sinter Control	KUN_QI-MCQ 46 KUN_QI-MCQ-56
				Welding Quality			KUN_QI-GAM 16 KUN_QI-FAB-30	Visual	max. 25 pcs (~handful)	1/ Set			SPC Sinter Control	KUN_QI-MCQ-46 KUN_QI-FAB 30 KUN_QF-080_CUT
				Length			According to OF KUN_Source1211 01/02 KUN_QI-FAB-30	Visual + caliper	max. 25 pcs (~handful)	1/ Set KUN_QI-FAB-30			SPC Sinter Control	KUN_QI-FAB 30 KUN_QF-080_CUT
				Diameter			KUN_QI-GAM 16	Visual + mandrel	1/S	1/Set + 1/S			SPC Sinter Control	KUN_QI-MCQ-02 KUN_MCQ-56 KUN_MCQ-19 KUN_QF-080_CUT KUN_QI-FAB 30
50	Labeling Package			Quantity			KUN_QI-GAM 16	Visual scale		1/C				KUN_QI-FAB-30
				Labelling			Acc. To the OF KUN_QI-GAM 16	Scanning, Insert Data		1/C			MfgPro	Stop production, IT request
	Requalification			Heat aging			KUN_QF-426	Acc. To Norm (QF-45)	1,5 m			1/OFI 1/3 years	LABoratory	Stop production
				Flammability			KUN_QF-426	Acc. To Norm (QF-45)	2 m			1/OFI 1/3 years	LABoratory	Stop production
				Abrasion			KUN_QF-426	Acc. To Norm (QF-45)	1 m			1/OFI 1/2 years	LABoratory	Stop production
				Fluis resistance			KUN_QF-426	Acc. To Norm (QF-45)	1,5 m			1/OFI 1/3 years	LABoratory	Stop production