

**POTENTIAL  
FAILURE MODE AND EFFECTS ANALYSIS  
(PROCESS FMEA)**

FMEA Number 1975Prepared By A. WalvekarFMEA Date (Orig.) 10/24/2010(Rev.) 4/22/2011Item : RH Pad - I/P Upper Trim / MXP1002-01Process Responsibility ACMEModel Year(s)/Programs 02 GMXKey Date 10/24/2010Core Team Project Eng., Quality Eng., Q.A. Mgr., Staff Eng., Plant Mgr., Purchasing, Sales

Process Step Function	Requirements	Potential Failure Mode	Potential Effect(s) of Failure	Severity	Classification	Potential Cause(s) of Failure	Current Process Controls Prevention	Occurrence	Current Detection Process Controls		Detection	RPN	Recommended Action	Responsibility & Target Completion Date	Action Results															
									Cause	Failure Mode					Actions Taken & Effective Date	Severity	Occurrence	Detection	RPN											
Op 010 - Receive Raw Resin	12 - Molded Part Appearance												NONE																	
	100 - Bassell	Contaminated Material	Will not process correctly	6	▽	Improper Handling During Transit	Supplier Certification	3	SOP-126 (Non-Conforming Product Control)		7	126	NONE																	
		Incorrect Color	Poor Appearance	6	▽	Mislabel	Supplier Certification	2	SOP-126 (Non-Conforming Product Control) - SOP-120		2	24	NONE																	
		Incorrect Quantity / Count	Material shortage	6	▽	Improper Handling During Transit	Supplier Certification	2	SOP-126 (Non-Conforming Product Control)		7	84	NONE																	
		Material out of Specification	Material shortage	6	▽	Contaminated Material	Supplier Certification	3	SOP-126 (Non-Conforming Product Control)		3	54	NONE																	
				6	▽	Mislabel	Supplier Certification	2	SOP-126 (Non-Conforming Product Control)		2	24	NONE																	
			Will not process correctly	5	▽	Contaminated Material	Supplier Certification	2	SOP-126 (Non-Conforming Product Control)		2	20	NONE																	
		Out of Specification	Will not Assemble correctly	5	▽	Dimensionally Incorrect	Supplier Certification	2	SOP-126 (Non-Conforming Product Control)-SOP120		3	30	NONE																	
		Wrong Melt Flow	Material shortage	6	▽	Degredation	Supplier Certification	3	SOP-126 (Non-Conforming Product Control)		3	54	NONE																	
Op 012 - Receive Components	6 - Visual Inspection	Incorrect Quantity / Count	Material shortage	6		Improper Handling During Transit	Supplier Certification	2	SOP-126 (Non-Conforming Product Control)		7	84	NONE																	
		Out of Specification	Will not assemble correctly	5		Improper Handling During Transit	Supplier Certification	2	SOP-126 (Non-Conforming Product Control)		3	30	NONE																	
Op 013 - Receive Packaging	6 - Visual Inspection	Damaged Container	Damaged Product	5		Improper Handling During Transit	Supplier Certification	2	SOP-126 (Non-Conforming Product Control)		3	30	NONE																	
		Incorrect Label	Inaccurate inventory	3		Incorrect Material	Incoming Inspection	6	SOP-117 (Identification, Traceability and Staus)		3	54	NONE																	
Op 030 - Lab Inspection/Resin Verification	5 - Material Sample Retain	Out of Specification	Loss of Physical Properties	8	▽	Supplier Deviated from Specification	Supplier Certification	1	Melt Index Test Equipment		2	16	NONE																	
	46 - Receive Material	Out of Specification	Loss of Physical Properties	8	▽	Supplier Deviated from Specification	Supplier Certification to FMVSS302	1	Supplier Certification		2	16	NONE																	