

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

Item : RH Pad - I/P Upper Trim / MXP1002-01
 Model Year(s)/Programs 02 GMX
 Core Team Project Eng., Quality Eng., Q.A. Mgr., Staff Eng., Plant Mgr., Purchasing, Sales

Process Responsibility ACME
 Key Date 10/24/2010

FMEA Number 1975
 Prepared By A. Walvekar
 FMEA Date (Orig.) 10/24/2010 (Rev.) 4/22/2011

Process Step Function	Requirements			Potential Failure Mode	Potential Effect(s) of Failure	Severity	Classification	Potential Cause(s) of Failure	Occurrence	Current Process Controls Prevention	Current Process Controls Detection	Detection	RPN	Recommended Action	Responsibility & Target Completion Date	Action Results				
	ID	Product	Process													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	3	Supplier Certification	SOP-126 (Non-Conforming Product Control)	7	126	NONE						
				Incorrect Color	Poor Appearance	6	▽	Mislabel	2	Supplier Certification	SOP-126 (Non-Conforming Product Control) - SOP-120	2	24	NONE						
				Incorrect Quantity / Count	Material shortage	6	▽	Improper Handling During Transit	2	Supplier Certification	SOP-126 (Non-Conforming Product Control)	7	84	NONE						
				Material out of Specification	Material shortage	6	▽	Contaminated Material	3	Supplier Certification	SOP-126 (Non-Conforming Product Control)	3	54	NONE						
						6	▽	Mislabel	2	Supplier Certification	SOP-126 (Non-Conforming Product Control)	2	24	NONE						
					Will not process correctly	5	▽	Contaminated Material	2	Supplier Certification	SOP-126 (Non-Conforming Product Control)	2	20	NONE						
				Out of Specification	Will not Assemble correctly	5	▽	Dimensionally Incorrect	2	Supplier Certification	SOP-126 (Non-Conforming Product Control)-SOP120	3	30	NONE						
				Wrong Melt Flow	Material shortage	6	▽	Degradation	3	Supplier Certification	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	2	Supplier Certification	SOP-126 (Non-Conforming Product Control)	7	84	NONE						
				Out of Specification	Will not assemble correctly	5		Improper Handling During Transit	2	Supplier Certification	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	2	Supplier Certification	SOP-126 (Non-Conforming Product Control)	3	30	NONE						
				Incorrect Label	Inaccurate inventory	3		Incorrect Material	6	Incoming Inspection	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	1	Supplier Certification	Melt Index Test Equipment	2	16	NONE						
	46	Receive Material		Out of Specification	Loss of Physical Properties	8	▽	Supplier Deviated from Specification	1	Supplier Certification to FMVSS302	Supplier Certification	2	16	NONE						
Op 031 - Component Inspection	6		Visual Inspection	Out of Specification	Functional Failure	3		Supplier Deviated from Specification	1	Incoming Inspection	Visual to Master Sample	3	9	NONE						
	10		Component Appearance	Chatter										NONE						