



<b>Document Title:</b> Relplas Test Flow	<b>Document Number:</b> PD00011
<b>Description:</b> Relplas & Relplas+ Test Flows	<b>Doc:</b> Process Doc

Confidential

Page.....Of.....

**RelPlas™ "Reliable Plastic" PROCESS FLOW ©**

PROCESS	PROCESS FLOW			NOTES
	"C" Comm	"I" Ind	"M" Mil	
VISUAL INSPECTION	100%	100%	100%	Documentation trail
LEAD FINISH	100%	100%	100%	Solder
TEMP CYCLE	-	-	100%	Mil-Std-883 M1010 Cond C
BURN-IN	100%	100%	100%	Mil-Std-883 M1015 Cond C
POST BURN-IN ELEC TEST	-	-	100%	
ELECTRICAL TEST Room	100% 25oC	100% 25oC	100% 25oC	Applicable to data sheet
ELECTRICAL TEST Hot	100% +70oC	100% +85oC	100% +125oC	Applicable to data sheet
ELECTRICAL TEST Cold	100% 0oC	100% -40oC	100% -55oC	Applicable to data sheet
FINAL ELECTRICAL	100%	100%	100%	Mil-Std-883 M5005 Grp A
EXTERNAL VISUAL	100%	100%	100%	
BAKE & DRY PACK/DRY STORE	100%	100%	100%	
QC CLEARANCE	100%	100%	100%	
PACK & SHIP	100%	100%	100%	

**RelPlas+™ "Reliable Plastic Plus" PROCESS FLOW©**

PROCESS	PROCESS FLOW			NOTES
	"C" Comm	"I" Ind	"M" Mil	
VISUAL INSPECTION	100%	100%	100%	Documentation trail
LEAD FINISH	100%	100%	100%	Solder
TEMP CYCLE	-	-	100%	Mil-Std-883 M1010 Cond C
BURN-IN	100%	100%	100%	Mil-Std-883 M1015 Cond C
POST BURN-IN ELEC TEST	-	-	100%	
ELECTRICAL TEST Room	100% 25oC	100% 25oC	100% 25oC	Applicable to data sheet
ELECTRICAL TEST Hot	100% 70oC	100% 85oC	100% 125oC	Applicable to data sheet
ELECTRICAL TEST Cold	100% 0oC	100% -40oC	100% -55oC	Applicable to data sheet
FINAL ELECTRICAL	100%	100%	100%	Mil-Std-883 M5005 Grp A
OPERATING LIFE TEST 1000hrs	-	-	70(1) 125oC	Sample(reject) Mil-Std-883 M1005/JESD22A108
ENDURANCE LIFE inc Write/Erase &Data retention EEPROM/VEEPROM/EPLD/FLASH	-	-	22(0)	Sample(reject) y @ Equiv
HUMIDITY THB 85oC/85%RH 1000hrs or HAST 130oC/85RH 96hrs biased Autoclave 121oC/100%RH 96hrs, 15psig, unbiased	-	-	45(1)	Sample(reject) JSD22A101 JESD22A110 JESD22A102
EXTERNAL VISUAL	100%	100%	100%	
BAKE & DRY PACK/DRY STORE	100%	100%	100%	
QC CLEARANCE	100%	100%	100%	
PACK & SHIP	100%	100%	100%	

Part Number example- Plastic OTP Mil temp Relplas™ EPROM-FT27C256-15PM/RP or RPP

© Force Technologies Ltd: Ashley Court, Henley, Marlborough, Wilts, SN8 3RH, UK

Copyright in this document/drawing belongs to Force Technologies Ltd and all rights are reserved. No reproduction of all or part of this document shall be made without the prior written consent of Force Technologies Ltd. This document contains information that may be confidential and its disclosure to others requires the written consent of Force Technologies Ltd.

Issue:	Date:	Approval:	Dept:
1	24/07/07	BS	Eng