

PLASTIC MATERIAL COMPATIBILITY CHART

Use this chart as a general guide for material compatibility. Specific resin blends and fillers may impact whether the two materials are compatible. The plastic welding technology also affects how effectively two materials can be bonded together.

Always test welding specific resins with the intended joining process to validate compatibility.

	ABS	ASA	COC	MABS	PA 6	PA 6/6	PA 12	PBT	PC	PC/ABS	PE-LD	PE-HD	PEEK	PES	PET	PMMA	POM	PP	PPS	PS	PSU	PVC	SAN	
ABS	★	★		★				★	★	★				✓	★	★				✓	✓	★	★	
ASA	★	★						★	★	★						★						✓	★	★
COC			★																					
MABS	★			★																				
PA 6					★	★																		
PA 6/6					★	★																		
PA 12							★																	
PBT	★	★						★	★						✓	★	✓				★	✓		✓
PC	★	★						★	★	★					★	★	★				✓		★	✓
PC/ABS	★	★						★	★							✓								
PE-LD											★	✓												
PE-HD											✓	★												
PEEK													★	★										
PES	✓							✓	★				★	★								★		
PET	★							★	★						★									✓
PMMA	★	★						✓	★	✓						★					✓		★	★
POM																	★							
PP																		★						
PPS																			★					
PS	✓							★	✓							✓					★			★
PSU	✓	✓						✓						★								★		
PVC	★	★							★							★							★	✓
SAN	★	★						✓	✓						✓	★					★	✓	★	

★ Strong Weld Expected

✓ Mild Weld Expected

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