

COMMON SOLDERS

The 40/60, 50/50, and 60/40 tin-lead composition comprise the majority of lead solder use. These tin based solders are frequently used for general repair, electrical connections, radiators, and drain/waste/vent (DWV) plumbing tube. The solders are available in solid wire and flux cored forms. Flux cored solders are available in both rosin and acid core types.



CAUTION: It is illegal to use lead-bearing solders in public and private potable water systems.

NOTE: Several states prohibit a plumbing supply business from selling lead bearing solders. Customers should check with the respective agency in the state in which the lead bearing solders are to be sold or distributed

40/60

A general purpose solder with a 1000° F melting range. It is often used for body work “wiping” applications. It is also frequently used for sheet metal joints and auto radiator repair.

50/50

A popular tin/lead alloy with a 600° F melting range. Compared to 40/60, the narrower melting range improves flow, yet provides sufficient body to “cap” finished joints. 50/50 is used for general soldering work including non-potable water DWV, copper tube plumbing applications.

60/40

With an approximate 150° F melting range, 60/40 requires less heat to reach its melting temperature. This is often beneficial when soldering electrical or electronic components. This solder is also a popular choice for stain glass applications.





ALLOY	TIN %	LEAD %	SOLIDUS		LIQUIDUS		ASTM B32
			°F	°C	°F	°C	
40/60	40	60	360	182	460	238	Sn40A
50/50	50	50	360	182	420	216	Sn50, J-STD-006 Sn50, Pb50a
60/40	60	40	360	182	375	191	Sn60

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DESCRIPTION	40/60 ACID CORE	40/60 ROSIN CORE	40/60 SOLID CORE	50/50 ACID CORE
1/32" x 1 LB SPOOL				
3/64" x 1 LB SPOOL				
3/64" x 5 LB SPOOL				
3/64" x 20 LB SPOOL				
3/64" x 25 LB SPOOL				
1/16" x 1 LB SPOOL				
1/16" x 5 LB SPOOL		40R35		50A35
1/16" x 20 LB SPOOL				
3/32" x 1 LB SPOOL		40R51	406051	
3/32" x 5 LB SPOOL	40A55	40R55	406055	50A55
3/32" x 20 LB SPOOL			4060520	
3/32" x 25 LB SPOOL		40R525		
1/8" x 1 LB SPOOL	40A61	40R61	406061	50A61
1/8" x 5 LB SPOOL	40A65			
1/8" x 20 LB SPOOL	40A620	40R620	4060620	50A620
1/8" x 25 LB SPOOL		40R625		50A625
1/8" x 50 LB SPOOL				
TRI-BAR				
1 LB BAR				
1/16" x 8oz SPOOL POP				
1/8" x 8oz SPOOL POP				

PRODUCT SELECTION GUIDE



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**50/50
ROSIN CORE**

**50/50
SOLID CORE**

**60/40
ACID CORE**

**60/40
ROSIN CORE**

**60/40
SOLID CORE**

	505011		60R11	
	505021			
	505025			
	5050220			
	5050225			
50R31			60R31	604031
	505035			
				6040320
50R51			60R51	604051
50R55	505055	60A55		604055
	5050520		60R520	
50R61	505061		60R61	604061
50R65	505065	60A65	60R65	
50R620	5050620	60A620		6040620
	5050625	60A625		
	5050650			
	5050TB			
	50501B			60401B
			60R31/2POP	
	505061/2POP		60R61/2POP	

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