

Product Data Sheet



Product **COBAR-XSP** Intrusol No-clean solder paste
 Date 05-03-12
 Release 12.01

LEGEND	
5	Especially made for this purpose
4	Generally qualified for this purpose
3	Generally usable, but not the best choice
2	Generally not usable for this purpose
1	Wrong choice

ALLOY CODE	ALLOY COMPOSITION
BSA04	Bi57.6Sn42Ag0.4
BSA1	Bi57Sn42Ag1

ALLOY CODE	BSA04	BSA1
ISO 9454-1	1.1.3.C	
IPC-ANSI-J-STD-004	ROL0	
IPC-ANSI-J-STD-005 (Powder)	compliant	
No-Clean process	5	
Post-solder cleaning	4	
Vapor phase process	3	
Consumer electronics	5	
Standard industrial electronics	4	
Hi-Rel electronics (automotive)	4	
Fine-pitch (= < 0.5 mm)	5	
OSP compatible	5	
Ni/Au compatible	4	
Ag/Pd compatible	4	
Ni/Pd compatible	4	
Ag compatible	4	
Sn compatible	4	
SnPb Profile Air	4	
SnPb Profile N2	4	
Lead-free Profile Air, short	3	
Lead-free Profile Air, long	3	
Lead-free Profile N2	3	
Squeegee	5	
ProFlow	4	
Rheopump	3	
Dispensing [> awg 22]	2	
Short cycle time	4	
Long stencil-life	4	
Long open time	4	
Sharp print definition	5	
Reduces dog ears	5	
Reduces smearing	5	
Reduces stencil wiping	5	
Reduces solder balling	4	
Reduces solder beading	4	
Reduces bridging	5	
Reduces tombstoning	4	
Reduces de-wetting	5	
Reduces slumping	5	
Reduces voiding	4	
Brilliant joint appearance	5	
Cosmetic cleanliness	5	
ICCT compatible	5	
Conformal coating	5	

ALLOY CODE	BSA04	BSA1
Flux code	Intrusol XSP	
Alloy code	B04	B10
Particle size class IPC	T3 (25 µm - 45 µm) - X	
	T4 (20 µm - 38 µm) - H	
PROPERTIES		
Liquidus [C]	140	140
Solidus	138	138
Recommended peak temp. [°C]	175	175
Oxide content powder [ppm]	100	
Acid number [mg KOH] +/- 2.5%	72.2	
Halides [Silver-Chromate Test]	PASS	
Halides [Potentiometric]	PASS	
Flux [% w/w]	10	
Metal [% w/w]	89	
Filmformer(s)	Rosin	
Color of the residue	Light Amber	
Viscosity @ 25°C [Pa.s]		
Plate/Plate Tol+/- [%]	18	126
Malcom PCU205 Tol+/- [%] *	18	116
Max. speed [mm/sec] 0.4mm QFP	80	
Rec.separation speed [mm/sec]	10	
Tackiness time 20°C/ 70%RH [H]		
Tackiness force Malcom TK1 [gr]		
TEST REPORTS		
Bellcore TR-NWT-000078/3	Compliant	
IPC/ANSI-J-STD-005	Compliant	
Certificate of Compliance	Website	
SPC-data	Auditable	
RoHS-Compliant	Yes	
User's Guidelines	English	
VOC content [% w/w]	0	
PACKAGING AND STORAGE		
Packaging jar	500	
Packaging cartridge	650	
Packaging cartridge	1300	
Packaging Cassette Pro-Flow	800	
Recommended shelf-life in weeks		
Storage temperature [°C]	8	20
Storage temperature [°C]	20	6

Check material compatibility with every process change!

Industrial chemical product.

Read MSDS before use.

Disclaimer:

The information given in this publication has been worked up to the best of the knowledge of Cobar as well as taking into consideration the applicable laws and regulations. We cannot anticipate all conditions under which this information and our products or the products of other manufacturers in combination with our products may be used. We accept no responsibility for results obtained by the application of this information or the safety and suitability of our products alone or in combination with other products. Users are advised to make their own tests to determine the safety and suitability of each such product or product combination for their own purposes. Unless otherwise agreed in writing, we sell the products without warranty, and buyers and users assume all responsibility and liability for loss or damage arising from the handling and use of our products, whether used alone or in combination with other products.