

# Technical Data Sheet (TDS)

**Report No.:** CTB220307025CX

**Sample Name:** Nose wire

**Sample Model:** Dual core 5mm, Single core 3mm

**Applicant:** Hangzhou Impact New Materials Co., Ltd

**Issue Date:** Mar 09, 2022





Shenzhen CTB Testing Technology Co., Ltd

## Product Technical Data Sheet

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### Part 1: Product and corporate identity

Product name:	Nose wire		
Product model:	Dual core 5mm, Single core 3mm		
Trademark:	N/A		
Laboratory:	Shenzhen CTB Testing Technology Co., Ltd.		
Laboratory address:	Floor 1&2, Building A, No. 26 of Xinhe Road, Xinqiao Community, Xinqiao Street, Baoan District, Shenzhen, Guangdong, China.		
Applicant:	Hangzhou Impact New Materials Co., Ltd		
Entrusted unit address:	NO.312 JIANGLING SOUTH ROAD, XIXING SUBDISTRICT, BINJIANG DISTRICT, HANGZHOU,ZHEJIANG,CHINA		
National standard:	GB19083-2010 《Technical requirements for protective face mask for medical use》		
Compilation date:	Mar 07, 2022	Issue Date	Mar 09, 2022
Producer:		Approver:	

## Part 2: Main ingredients

Ingredient name	CAS number	Content(%)
PP Rubber	9003-07-0	50%
Manganese	7440-44-0	0.045%
Manganese	7439-96-5	0.21%
Tin	7440-31-5	0.07%
Sulfur	7704-34-9	0.01%
Phosphorus	7723-14-0	0.005%
Zinc	7440-66-8	0.05%
Ferrum	7439-89-6	49.61%

Note: CAS: Chemical Abstracts Service (a division of the American Chemical Society)

## Part 3: Product overview and application

Summary:	The nose bridge strip plays the role of fixing the mask on the bridge of the nose. Therefore, the nose bridge strip is also called nose bridge strip - flat nose bridge strip - nose bridge clip. The all-plastic nose bridge strip and the nose bridge strip with iron wire are made of all modified PP or modified PP and iron wire. They have the excellent performance of bending and deforming with the action of external force, not rebounding when the external force is lost, and keeping the existing shape unchanged. It can be fused similarly to non-woven materials, and plays the role of fixing the mask on the bridge of the nose.
Use:	Mainly used in nose bridge strips for various types of masks such as flat masks and KN95 masks.
Product advantages:	Our nose bridge strips are equipped with mask machines for trial use. There are rolls with paper cores and plastic shafts, which are packaged according to customer requirements. There are also bundles that are packaged and shipped after being cut into strips. Generally, the width is 3mm to 5mm, and the thickness is generally about 1mm. According to the requirements of different masks, there will be some differences. When shipped, it is generally shipped in rolls, and can also be shipped in strips as required.

### Part 4: Physical and chemical properties

Appearance and traits	White solid	Odor	Has a faint plastic smell
pH	N/A	Density (g/ml at 25°C)	0.9
Flash point (°C)	N/A	Melting point (°C)	180
Boiling point (°C)	N/A	Solubility	Soluble in solvents such as dimethylformamide or thiocyanate

### Part 5: Physical and chemical parameter analysis

**Sample Description:** 1. White plastic 2. Silvery metal

Test Item(s)	Limit	Unit	Test Method	MDL	Result	
					1	2
Lead (Pb)	1000	mg/kg	IEC 62321-5:2013, ICP-OES	2	N.D.	N.D.
Cadmium (Cd)	100	mg/kg	IEC 62321-5:2013, ICP-OES	2	N.D.	N.D.
Mercury (Hg)	1000	mg/kg	IEC 62321-4:2013+A1:2017, ICP-OES	2	N.D.	N.D.
Hexavalent Chromium (Cr(VI))	1000	mg/kg	IEC 62321-7-2:2017, UV-VIS	2	N.D.	N.D.
Polybrominated biphenyls (PBBs)	1000	mg/kg	IEC 62321-6:2015, GC-MS	5	N.D.	N/A
Polybrominated diphenyl ethers (PBDEs)	1000	mg/kg	IEC 62321-6:2015, GC-MS	5	N.D.	N/A
Dibutyl Phthalate (DBP)	1000	mg/kg	IEC 62321-8:2017, GC-MS	50	N.D.	N/A
Benzylbutyl Phthalate (BBP)	1000	mg/kg	IEC 62321-8:2017, GC-MS	50	N.D.	N/A
Bis-(2-ethylhexyl)Phthalate (DEHP)	1000	mg/kg	IEC 62321-8:2017, GC-MS	50	N.D.	N/A
Diisobutyl phthalate (DIBP)	1000	mg/kg	IEC 62321-8:2017, GC-MS	50	N.D.	N/A
<b>Conclusion</b>	-	-	-	-	<b>PASS</b>	<b>PASS</b>

Note:

1. mg/kg = milligram per kilogram= ppm.
2. N.D. = Not Detected ( < MDL ) .
3. MDL = Method Detection Limit .
4. N/A= Not applicable.

Test Item(s)	Limit	Unit	Test Method	MDL	Result
					1
Benzo[a]pyrene	1	mg/kg	AfPS GS 2019:01 PAK, GC-MS	0.2	N.D.
Benzo[e]pyrene	1	mg/kg	AfPS GS 2019:01 PAK, GC-MS	0.2	N.D.
Benzo[a]anthracene	1	mg/kg	AfPS GS 2019:01 PAK, GC-MS	0.2	N.D.
Chrysene	1	mg/kg	AfPS GS 2019:01 PAK, GC-MS	0.2	N.D.
Benzo[b]fluoranthene	1	mg/kg	AfPS GS 2019:01 PAK, GC-MS	0.2	N.D.
Benzo[j]fluoranthene	1	mg/kg	AfPS GS 2019:01 PAK, GC-MS	0.2	N.D.
Benzo[k]fluoranthene	1	mg/kg	AfPS GS 2019:01 PAK, GC-MS	0.2	N.D.
Dibenzo[a,h]anthracene	1	mg/kg	AfPS GS 2019:01 PAK, GC-MS	0.2	N.D.
<b>Conclusion</b>	-	-	-	-	<b>PASS</b>

Note:

1. mg/kg = milligram per kilogram= ppm.
2. N.D. = Not Detected ( < MDL ) .
3. MDL = Method Detection Limit .

**Summary:** The results of the product tests comply with the limits of RoHS 2.0 Directive (EU) 2015/863 and annex II of directive 2011/65/EU as amended (EU) 2017/2102 and adoption of European Regulation (EU) No. 1907/2006 (REACH) Annex XVII Article 50 on the restriction of polycyclic aromatic hydrocarbon (PAH) content.

## Part 6: Handling and storage

Operation precautions:	<p>Closed operation, pay attention to ventilation. Operators must undergo special training and strictly abide by operating procedures. It is recommended that operators wear self-priming filter dust masks, chemical safety goggles, and chemical-resistant gloves. Keep away from fire and heat sources, and smoking is strictly prohibited in the workplace. Use explosion-proof ventilation systems and equipment. Avoid generating dust. Avoid contact with oxidants. Light loading and unloading. Equipped with the corresponding variety and quantity of fire fighting equipment and leakage emergency treatment equipment.</p>
Storage conditions:	<ol style="list-style-type: none"> <li>1. Store in a cool, dry, well-ventilated place, away from incompatible materials, and avoid high temperature and exposure to the sun, with a humidity of 60±5%RH.</li> <li>2. Shelf life of raw materials: 1 year from the date of shipment.</li> </ol>

## Part 7: Disposal

Disposal:

It is best to recycle and reuse. If it cannot be recycled, it should be handed over to a professional chemical waste disposal agency for disposal, and do not discard it at will. Alternatively, dispose of this material and container in accordance with local regulations, refer to relevant national and local regulations before disposal. Environmental pollution should be avoided during disposal.

## Part 8: Transport information

Mode of transportation:

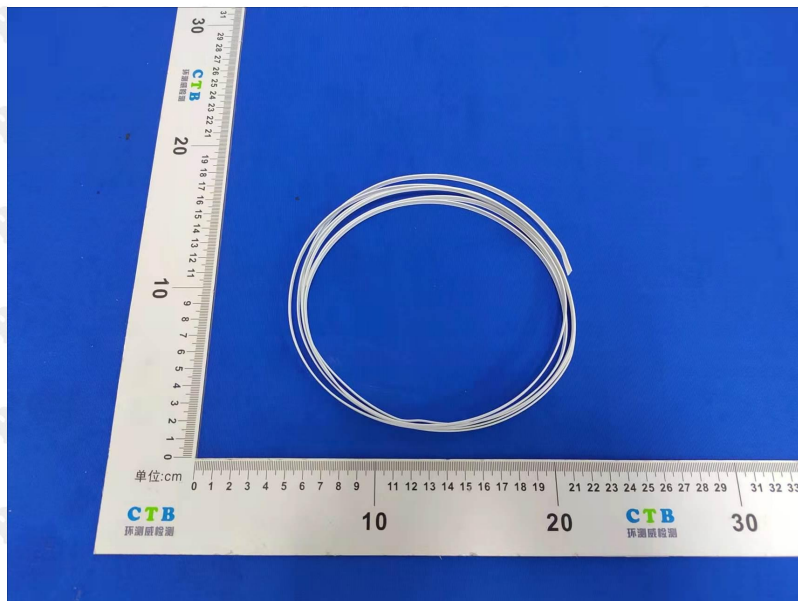
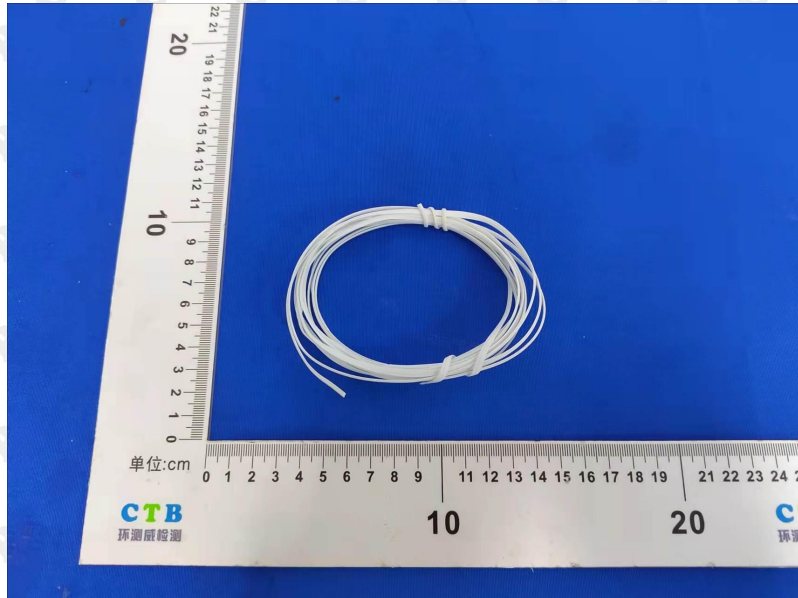
The product shall be shipped as a general cargo and shall be packed intact and loaded safely when shipped. During transportation, ensure that containers do not leak, collapse, fall or damage. It is strictly prohibited to transport with oxidizer and strong acid. Avoid sun, rain and high temperature during transportation.

## Part 9: Client information

Chemical English name:	Nose wire
Name of the manufacturer:	Hangzhou Impact New Materials Co., Ltd
Address:	NO.312 JIANGLING SOUTH ROAD, XIXING SUBDISTRICT, BINJIANG DISTRICT, HANGZHOU, ZHEJIANG, CHINA
Contact:	Li Na
Phone:	15210714264
Fax:	/
E-mail:	linda@impact-materials.com
Zip code:	310051

### Part 10: Sample photo

Sample photo:



\*\*\* End of Report \*\*\*