



Pentagon Chemicals

(Traders Exporters importers & Manufacturers in Heavy Chemicals, Acids, Dyes, Solvents,
Auxiliaries, Minerals if etc)

No.7, Thiruverkadu Main Road, Near Ambattur Industrial Estate, Ayyapakkam, Chennai-600 077
Tamilnadu State-South India

Ph No.91-044-26820071 Cell No.9444007960

E-mail: sales@pentagonchemical.com www.pentagonchemical.com

PAINT GRADE TALC POWDER

Technical specification	Paint 60-10	Paint 60-20	Paint 60-38	Paint 58-15	Paint 57-63	Paint 35-45	PTS 6-30	PTS 8-10	PTS 8-63	PTS 8-38
SiO ₂ % ≥	60	60	60	58	57	35	35	35	35	35
MgO % ≥	31	31	31	30	30	31	28	28	28	28
CaO % ≤	0.45	0.45	0.45	0.80	0.80	2.00	2.00	2.00	2.00	2.00
Fe ₂ O ₃ % ≤	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
Al ₂ O ₃ % ≤	0.20	0.20	0.20	0.50	0.50	0.50	6-8	8-10	8-10	8-10
L.O.I. % ≤	7.00	7.00	7.00	8.00	9.00	25.00	14.00	14.00	14.00	40.00
Oil-absorbed g/100g	50-55	30-38	28-35	40-50	20-25	20-25	20-25	40-50	≥50	≤25
D98	10μm	22μm	38μm	15μm	63μm	45μm	30μm	10μm	63μm	38μm

NOTE: At present, we can supply the following talc powder which is special for paint industry to choose:

Paint industry	Talc powder mesh	Whiteness	Remark
Latex paint	325~800mesh	≥ 92.0	
Polyester paint	1250mesh	≥ 94.0	High transpance
Varnish	325-600mesh	≥ 92.0-95.0	High transpance
Auto putty	325-800mesh	≥ 94.0	
Street indicating paint	325-600mesh	≥ 90.0	
Shipping paint	325-800mesh	≥ 92.0-95.0	
Building paint	325-600mesh	≥ 90.0	
Industry paint	325-500esh	≥ 90.0	
Antisepsis paint	325-800mesh	≥ 92.0-95.0	

Pigment paint	200-600mesh	≥ 90.0	
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Note: Soapstone powder 325-800mesh, whiteness 90-94, overcast rate is better.

PAPERMAKING GRADE TALC POWDER

Technical specification	Special grade	Products	Products	Products
		Fist grade	Second grade	Up to standard
Whiteness % ≥	92	90	88	88
Dust, mm ² /g ≤	0.4	0.6	0.8	1.0
CaCO ₃ % ≤	1.00	1.50	2.00	4.00
Acid iron melted (taking Fe ₂ O ₃) ≤	0.2	0.3	0.5	0.5
PH	7-8.5		8.5-9.5	
Moisture % ≤	0.5	0.5	0.5	0.5
L.O.I.(800℃) % ≤	6.00	8.00	12.00	22.00
Wear and tear (cooper net) mg % ≤	80.0	100.0	---	
Oil-absorbed	20.0—50.0			
Passing through (45μm) % ≥	98			

Note: Production standard: GB15342-94.

PLASTIC GRADE TALC POWDER

Technical specification	Special grade	Products	Products
		First grade	Up to standard
Whiteness % ≥	95	90	88
SiO ₂ % ≥	61	58	55
MgO % ≥	31	30	30
CaO % ≤	0.45	1.00	1.50
Fe ₂ O ₃ % ≤	0.30	0.40	0.50
Al ₂ O ₃ % ≤	0.20	0.30	0.30
L.O.I. % ≤	6.00	8.00	10.00
Volume density (g/cm ³)	Loose density	0.45	0.55
	Tight density	0.90	0.95
Moisture % ≤	0.5	0.5	1.00

Passing through (45μm) % \geq	98-99.8	99.5	98.5
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CERAMICS GRADE TALC POWDER

Technical specification	Special grade	Products	
		First grade	Up to standard
Whiteness % \geq	92	91	90
SiO ₂ % \geq	61	60	58
MgO % \geq	31	31	31
CaO % \leq	0.50	1.00	1.50
Fe ₂ O ₃ % \leq	0.30	0.40	0.50
Al ₂ O ₃ % \leq	0.20	0.30	0.30
L.O.I. (1000°C) % \leq	6.00	7.00	8.00
ACID SOLUBLE CALCIUM % \leq	0.40	0.60	0.80
Moisture % \leq	0.2	0.4	0.5
Passing through (45μm) % \geq	95~99		

RUBBER GRADE TALC POWDER

Technical specification	Special grade	Products First grade	Products Up to standard
L.O.I. (1000°C) % \leq	7.00	9.00	24.00
Moisture % \leq	0.2	0.4	0.4
PH	7.5-9.5		
Acid solvable material % \leq	6.0	15.0	20.0
Acid iron melted (taking Fe ₂ O ₃) % \leq	1.00	2.00	3.00
COPPER SOLUBLE % \leq	0.005		
Manganese soluble % \leq	0.05		
Passing through (75μm) % \geq	99.9	99.5	99.0

COSMETIC GRADE TALC POWDER (BODY GRADE)

TECHNICAL SPECIFICATION	Special Grade	Products First grade	Products Up to standard
Whiteness % \geq	95	92	90
Moisture % \leq	0.2	0.4	0.5
Molysite	To show blue late		
Acid soluble material % \leq	1.50	2.00	4.00
Water soluble	0.10	0.20	0.40

material % ≤			
Acid alkalinity	Litmus paper appears neutral reaction		
As % ≤	0.0003		
Lead % ≤	0.002		
PH value	7-10		
Passing through D98	10μm--75μm		
Bacteria each/g ≤	100 pathogenic bacteria mustn' t be inspected out.		
Asbestos mineral of amphibole	Mustn' t be found by x-ray diffraction analysis		

- Note: 1. The pathogenic bacteria are mainly directed at colon bacillus, staphylococcus and greenpus bacillus.
2. Production standard: GB15342-94

ELECTRIC CABLE GRADE TALC POWDER

Technical specification	Special grade	Products First grade	Products Up to standard
L.O.I. (1000℃) % ≤	6.00	8.00	10.00
Moisture % ≤	0.2	0.4	0.7
Acid unsolvable material % ≤	90.0	87.0	85.0
Acid iron melted (taking Fe ₂ O ₃) % ≤	0.20	0.40	0.50
Material aspirated by magnet % ≤	0.04	0.07	0.10
Passing through % ≥	45μm, 98	75μm, 98	

WATERPROOF MATERIAL GRADE TALC POWDER

Technical specification	Products Special grade	Products First grade
Whiteness % ≥	90.0	88.0
L.O.I. (1000℃) % ≤	22.0	25.00
Moisture % ≤	0.5	1.0
PH	10.0	
Silica and magnesium oxide % ≥	.77.0	60.0
Density g/cm ³ ≤	3.00	3.00
Passing through (45μm) % ≥	98.0	95.0