

CHIRAG SALES CORPORATION

907, Aalap – B, Opp Shashtri Maidan
Limda Chowk, RAJKOT: 360 001. Gujarat – INDIA.
Tel.: +91 281 3042348 / 3046680 / 3292856
Fax: +91 281 3042348 - Cell: +91 98253 25346 / +91 94267 32046
Email: miracleenter@rediffmail.com / chiragcorpo@yahoo.co.in

GENERAL TECHNICAL SPECIFICATION

Product:	PRECIPITATED SILICA POWDER
Grade:	PSP 150

Sr. Mo.	Properties	Unit	Value
-	Appearance		Snow white Free flowing White powder
1	BET Surface Area	m ² /gm	140 – 155
2	Tamped Bulk Density	Gm/lit.	200 – 230
3	DBP Absorption	%	150 – 170
4	pH of 5% aqueous suspension	-	6.5 – 8.3
5	Moisture Content (1 Hrs. / 105° c) Max.	%	7 – 8
6	Ignition Loss (1 Hrs / 1000° c) Max.	%	7 – 8
7	SiO ₂ Max.	%	78 – 85
8	Seive Residue on 325 Mesh, Max.	%	1

Technical Specification

Product: Spray Dried Abrasive Precipitated Silica Powder (PPT)

Grade: ABR 100

<u>Sr No.</u>	<u>Properties</u>	<u>Unit</u>	<u>Range</u>	<u>Typical Value</u>
Physical Data:				
1	Specific Surface Area (BET)	m ² /gm	50±30	31.00
2	Moisture Loss (2 Hrs / 105° c)	% by Wt.	4--6	5.80
3	Ignition Loss (2 Hrs / 1000° c)	% by Wt.	4--6	4.73
4	pH of 5% aqueous suspension	-	6--8	6.85
5	DBP Absorption	%	80--120	132.00
6	Water Absorption	%	100-140	120.00
7	Bulk Density	gms / lit.	250-400	340.00
8	Refractive Index	-	1.44 - 1.46	1.46

Chemical Composition:

9	Purity - Silica SiO ₂	% by Wt. Min.	98.0-98.50	98.50
10	Sodium Sulphate as Na ₂ SO ₄	% by Wt. Max.	2.00	1.50
11	Iron as Fe ₂ O ₃	ppm (Max.)	200.00	-
12	Particle Size	mu	7--11	10.00
13	Microbial Analysis	Cfu / gm	< 300	
	TVC		< 10	
	Y & M		< 10	

Packing: 25 Kgs. HDPE bag with Inside LDPE / Polythene Bag

Storage: Practically unlimited under favourable transportation and storage condition

Note: Special grade can also be supplied as per customers request.