



Satellite Science & Technology Co., Ltd.

Rev No:TDS/SAP/A4

Super Absorbent Polymer

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Technical Data Sheet

CR-640

Parameter	Unit	Value			Test Methods	
		Max	Target	Min	Method Number	Equivalent Method
pH	/	6.3	6.1	5.9	ISO17190-1:2001	WSP 200.2
Residual Monomer	ppm	500	300	-	ISO17190-2:2001	WSP 210.2
Particle Size Distribution	>850µm	1.0	-	-	ISO17190-3:2001	WSP 220.2
	850µm-600µm	45.0	28.0	20.0		
	600µm-300µm	65.0	53.0	35.0		
	300µm-150µm	30.0	18.0	5.0		
	150µm-45µm	2.0	1.0	-		
	< 45µm	0.5	-	-		
Moisture	wt%	3.0	2.0	0.8	ISO17190-4:2001	WSP 230.2
Free Swell Capacity (0.9%NaCl)	g/g	-	56.0	53.0	ISO17190-5:2001	WSP 240.2
Centrifugation Retention Capacity (0.9% Nacl)	F=250g g/g	-	33.0	31.0	ISO17190-6:2001	WSP 241.2
Absorption Under Pressure	0.7psi g/g	-	23.5	22.0	ISO17190-7:2001	WSP 242.2
Flowrate	g/s	11.0	-	8.0	ISO17190-8:2001	WSP 250.2
Bulk Density	g/mL	0.73	-	0.60	ISO17190-9:2001	WSP 260.2
Absorption rate, (Vortex)	s	75	60	-	Satellite	-
Whiteness	/	-	72	65	Satellite	-
Appearance	; White granular or powder					
Storage	; Store under dry and cool condition, and keep product air-tight.					
Packing	Kraft Paper Bag 20kg with inner PE bag; Super Sack 800kg(plastic woven bag with inner PE bag); Super Sack 1000kg(plastic woven bag with inner PE bag);					

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