



RE-DEFINING HORIZONS



AN ISO 9001 : 2008  
AN ISO 14001 : 2004  
CERTIFIED GROUP

## POLYCHLOR (PC) GRADE

'POLYCHLOR (PC) GRADE' is a chlorinated paraffin based on a C9-C23 paraffin.

It is a versatile and low colour grade used in a number of industries and applications ranging from use as a secondary plasticiser and flame retardant additive in PVC to use in paints, sealants and adhesives.

Further information may be obtained from the website '[www.shiva-group.com](http://www.shiva-group.com)'.

'PC GRADE' is not classified as hazardous for transport or use and is available in HmHDPE/STEEL drums of 220-275 kgs nett weight or in bulk isotainers.

### TECHNICAL DATA SHEET OF C9-C23 BASED CP PLASTICISER

GRADE	PC 38	PC 40	PC 42	PC 45	PC 48	PC 50	PC 52	PC 55	PC 58	PC 60	PC 62	PC 65
SP.GVT @ 25 DEGREES CELCIUS	1180	1210	1230	1260	1290	1310	1335	1355	1385	1410	1425	1455
COLOUR HAZEN (Hu)	30	30	35	35	35	40	40	55	75	85	110	145
CHLORNE CONTENT (%W/W)	44.8%	48.2%	49.0%	50.0%	51.8%	52.8%	54.0%	57.3%	61.4%	64.8%	65%	66%
VISCOSITY ( 30 DEG ) POISE (BROOKFIELD)	5	9	11	12	15	24	40	80	125	165	>175	>175
FREE MINERAL ACIDITY	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.00010	0.00010
FREE CHLORINE	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
VOLATILE LOSS (130 DEG/3 HRS) %	2.0 MAX	2.0 MAX	2.0 MAX	2.0 MAX	2.0 MAX	2.0 MAX	1.5 MAX	1.5 MAX	1.0 MAX	1.0 MAX	0.5 MAX	0.5 MAX
HEAT STABILITY (180 DEG/30 MIN)	DEEP YELLOW	DEEP YELLOW	DEEP YELLOW	DEEP YELLOW	DEEP YELLOW	DEEP YELLOW	DEEP YELLOW	DEEP YELLOW	DEEP YELLOW	DEEP YELLOW	DEEP YELLOW	DEEP YELLOW
PH VALUE	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
REFRACTIVE INDEX ( @ 27 DEG)	1.47	1.475	1.48	1.485	1.490	1.495	1.510	1.530	1.540	1.560	1.570	1.590

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