



RE-DEFINING HORIZONS



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

## F GRADE SERIES

F GRADE is a Chlorinated paraffin based on a refined short chain length C10-C13 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)'.

F 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

GRADE	F 50	F 52	F 55	F58	F60	F62	F 65	F 68	F 70	F 75
SPECIFIC GRAVITY	1300	1320	1350	1380	1400	1420	1450	1480	1500	1550
COLOUR HAZEN (Hu)	30(+10)	30 (+10)	30 (+10))	30 (+10)	30(+10)	30(+10)	40(+5)	50 MAX	50 MAX	60 MAX
CHLORINE CONTENT (%W/W)	53-54	54-55	56-58	59-60	60-62	62-64	64-66	66-68	69-70	73-75
VISCOSITY (27 DEG ) POISE (BROOKFIELD)	5(+3)	7(+5)	25(+10)	40(+10)	50(+15)	90(+20)	120(+30)	250(+30)	450 MAX	800 MAX
FREE MINERAL ACIDITY	0.0001	0.0001	0.0001	0.0001	0.0001	0.00010	0.0001	0.0001	0.0001	0.0001
FREE CHLORINE	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
VOLATILE LOSS (130DEG/3 HRS) %	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HEAT STABILITY (180 DEG/15 MIN)*	Y(G.Y.)	Y(G.Y.)	Y(G.Y.)	Y(G.Y.)	Y(G.Y.)	Y(G.Y.)	Y(G.Y.)	Y(G.Y.)	Y(G.Y.)	Y(G.Y.)
PH VALUE	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
REFRACTIVE INDEX (@ 27 DEG)	1.50	1.51	1.51	1.54	1.56	1.57	1.51	1.51	1.54	1.54

\*Y= Yellow and G.Y= Golden Yellow.

Information in this publication is believed to be accurate and is given in good faith, but it is for the customer to satisfy itself of the suitability for its own particular purpose. Accordingly, Shiva Group gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that such exclusion is prevented by law. Freedom under Patent, Copyright and Designs cannot be assumed.

#### Disclaimer:-

Color indicated are with Optical Brightner (OB+) only. Without OB+ color increases by 40-50 Hu.  
Viscosity measured is on specific batch made from specific paraffin range. The viscosity can change depending upon incoming raw material range.  
TDS prepared is on specific batch of specific paraffin range only. Some minor range bound differences may appear from batch to batch due to change in paraffin range.  
Samples kept for 12 hours at a specified temperature before conducting test.  
The specifications are solely checked by SHIVA in house Laboratory and are indicative. All specs needs to be cross examined before confirming commercial deals.  
This document cannot be used for any legal purpose.

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