



RE-DEFINING HORIZONS



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

ZS GRADE SERIES

ZS GRADE is a Chlorinated paraffin based on a refined short chain length C10-C22 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'.

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	ZS 40	ZS 50	ZS 52	ZS 55	ZS 58	ZS 60	ZS 62	ZS 65
SPECIFIC GRAVITY	1200	1300	1320	1350	1380	1400	1420	1450
COLOUR HAZEN (Hu)	80 MAX	80 MAX	80 MAX	80 MAX	90 MAX	100 MAX	110 MAX	120MAX
CHLORINE CONTENT (%W/W)	44-46	53-54	54-55	56-58	59-60	60-62	62-64	64-66
VISCOSITY (27 DEG) POISE (BROOKFIELD)	<7	25 MAX	35MAX	80 MAX	120 MAX	175 MAX	300 MAX	600 MAX
FREE MINERAL ACIDITY	0.0001	0.0001	0.0001	0.0001	0.0001	0.00010	0.0001	0.0001
FREE CHLORINE	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
HEAT STABILITY (180 DEG/20 MIN)*	D.Y	D.Y	D.Y	D.Y	D.Y	D.Y	D.Y	D.Y
PH VALUE	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

***D.Y = DEEP 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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