



RE-DEFINING HORIZONS



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

Z SUPER (ZS) GRADE

'ZS GRADE' is a chlorinated paraffin based on a C14-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'.

'ZS 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 ZS GRADE CP PLASTICISER

GRADE	<u>ZS 38</u>	<u>ZS 40</u>	<u>ZS 42</u>	<u>ZS 45</u>	<u>ZS 48</u>	<u>ZS 50</u>	<u>ZS 52</u>	<u>ZS 55</u>	<u>ZS 58</u>	<u>ZS 60</u>
SP.GVT @ 25 EGREES CELCIUS	1170	1200	1220	1250	1280	1300	1320	1350	1380	1400
COLOUR HAZEN (Hu)	45	50	55	65	70	85	95	110	120	130
CHLORNE CONTENT (%W/W)	45%	49%	50%	51%	52%	53%	55%	57%	62%	63%
VISCOSITY (30 DEG) POISE (BROOKFIELD)	3	7	9	11	14	20	35	65	125	>175
FREE MINERAL ACIDITY	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
FREE CHLORINE	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
VOLATILE LOSS (130 DEG/3 HRS) %	0.50 MAX	0.50 MAX	0.50 MAX	0.45 MAX	0.45 MAX	0.40 MAX	0.40 MAX	0.35 MAX	0.30 MAX	0.30 MAX
HEAT STABILITY (180 DEG/15 MIN)	GOLDEN YELLOW	GOLDEN YELLOW	GOLDEN YELLOW	GOLDEN YELLOW	GOLDEN YELLOW	GOLDEN YELLOW	GOLDEN YELLOW	GOLDEN YELLOW	GOLDEN YELLOW	GOLDEN YELLOW
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)	1.51	1.55	1.55	1.55	1.56	1.56	1.57	1.58	1.59	1.60

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