

 NOCIL LIMITED	<div style="border: 1px solid black; padding: 2px; display: inline-block;"> PILCURE® ZDBC ACCELERATOR </div>		
Chemical Name	Zinc dibutyldithiocarbamate. (ZnDBC)		
Chemical Structure	$\left[\begin{array}{c} \text{nC}_4\text{H}_9 \\ \\ \text{N}-\text{C}-\text{S} \\ \quad \\ \text{S} \quad \text{Zn} \end{array} \right]_2$		
CAS Reg. No.	136-23-2		
Mol. Wt.	474		
Product Specification			
<i>Parameter</i>	<i>Limits</i>		<i>Test Method</i>
Product form	Powder	Powder (OT)	-
Colour	White-Off white	White-Off white	-
Assay, % (min)	95.0	94.0	NOCIL 02-3-56
Melting Point, initial, °C (min)	100.0	98.0	D 1519
Melting Point, final, °C	105-112	104-112	D 1519
Heat Loss, % (max)	0.50	0.50	D 4571
Water Solubles, % (max)	0.50	0.50	NOCIL 02-3-32
Zn Content, % (min)	13.5-15.0	13.5-15.0	NOCIL 02-3-23
Residue on 150 µm sieve, % (max)	0.20	0.20	D 5461
Residue on 63 µm sieve, % (max)	0.50	0.50	D 5461
Paraffinic Oil, %	-	1.0-2.0	NOCIL 02-3-43
Typical Data			
Specific gravity at 25°C	1.24		D 1817
Bulk density, kg/m ³	310-350		NOCIL G-44
Bulk density (Comp), kg/m ³	420-460		NOCIL G-44
Product Information			
Solubility	Soluble in ethylene dichloride, benzene; partly soluble in hexane. Insoluble in dilute alkali and water.		
Classification	Ultra fast accelerator.		
Discoloration & Staining	Non-discoloring and Non-staining.		
FDA Approval Status	Regulated for use in articles in contact with food under FDA 21 CFR 175.105, 178.2010, 175.300, 177.1210, 177.2600, under BgW XXI, Categories 1-4, and 'Sonderkategorie'.		
Toxicity Data (Please refer to the latest Toxicological information.)	Not harmful by mouth. (Oral LD ₅₀ rat over 5000 mg/kg). May cause slight eye / skin irritation.		
Handling & Personal Protection	Ensure good ventilation and avoid creating dusty atmosphere. In case of eye or skin contacts wash out with clean water for 5 to 10 minutes.		
Storage	Always store in a cool (below 35°C) & dry place in single stack pallets away from direct sun light or any other heat source to avoid grit formation.		
Packaging			
Paper Bag	20 kg		
FIBC	-		
Storage Life	24 months		
Colour code	Silver Gray strip.		