



NOCIL LIMITED

PILFLEX® 13
ANTIDEGRADANT

Chemical Name	N-(1,3-dimethylbutyl)-N'-phenyl-p-phenylenediamine. (6PPD)	
Chemical Structure		
CAS Reg. No.	793-24-8	
Mal.Wt.	268	
Product Specification		
<i>Parameter</i>	<i>Limits</i>	<i>Test Method</i>
Product form	Pastilles	-
Colour	Dark purple	-
Assay (GC), % (min)	97.0	D 4937
Melting Point, initial, °C (min)	46.0	D 1519
Melting Point, final, °C	48-51	D 1519
Heat Loss, % (max)	0.30	D 4571
Ash, % (max)	0.10	D 4574
Typical Data		
Viscosity @60°C, cps	27-38	NOCIL G-5
Specific gravity at 60°C	0.986 -1.00	NOCIL G-25
Bulk density, kg/m ³	560- 600	NOCIL G-44
Product Information		
Solubility	Soluble in acetone and ethyl alcohol; moderately soluble in hydrocarbon solvents. Insoluble in water.	
Classification	High activity Antidegradant.	
Discoloration & Staining	Discolors white / colored products. Contact / Migration staining is experienced on other surfaces in contact with rubber products containing 6PPD.	
FDA Approval Status	Regulated for use in articles in contact with food under BgW XXI, Category 3-4. Not regulated for use in articles in contact with food under FDA.	
Toxicity Data (Please refer to the latest Toxicological information.)	Slightly harmful by mouth. (Oral LD ₅₀ rat 2500-3340 mg/kg). Not a skin or eye irritant. Unlikely to cause skin sensitization in man except individuals sensitized by other para phenylenediamines.	
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 30°C) & dry place in single stack pallets away from direct sun light or any other heat source to avoid compaction	
Packaging		
Paper Bag / Drum	Paper Bag: 20 kg / Fiber board drum: 50 kg.	
FIBC	500 kg / 600 kg / 800 kg	
Storage Life	24 months when stored as stated above.	
Colour code	Green colored strip.	