

CAPROLACTAM



GSFC is the largest producer of Caprolactam in India. It has two Caprolactam plants with rated capacities of 20,000 TPA and 50,000 TPA. The main raw material used in manufacturing Caprolactam is Benzene. GSFC makes international quality standard Caprolactam which is well accepted globally.



Packaging:

Available in 25 kg net sealed bags having LDPE inner lining and HDPE craft paper outer lining.



SPECIFICATIONS OF THE PRODUCT

NO.	PRODUCT CHARACTERISTICS	GUARANTEED SPECS.
01	Solidification Point (deg C)	Min. 68.8
02	Water Content(%)	Max. 0.10
03	Content of Volatile Bases (meq/kg)	Max. 0.50
04	Content of Free-bases (meq/kg)	Max. 0.10
	Content of Free-Acid (meq/kg)	Max. 0.05
05	Colour Number of 50% m/m aqueous solution(APHA)	Max. 5.00
06	Permanganate No. (PN) in 1 % aq. Soln) (Seconds)	Min. 20000
07	Absorbance at 290 nm (50% Soln)	Max. 0.05
08	Cyclohexanone Oxime content (mg/kg)	Max. 10.00
09	Iron Content (mg/kg)	Max. 0.50
10	Water insoluble (mg/kg)	Max. 10.00

APPLICATIONS:

Caprolactam is a base material used in manufacturing Nylon-6.

Its applications are as follows:



Polyamide Fibres for textile and tyre cords



Resins for moulding engineering components and extrusion profiles



Monomer castings



Speciality chemicals for textile and leather industries



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