

Technical Data Sheet

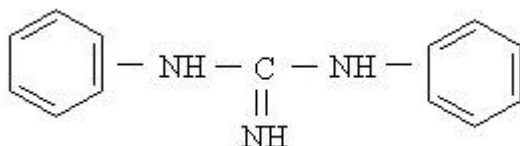


荣欣鑫橡胶助剂

RONGXIN XIN RUBBER ADDITIVES

Rubber Accelerator D (DPG)

Chemical Name: Diphenyl guanidine
structure:



Molecular Formula: C₁₃H₁₃N₃

Molecular Weight: 211.27

CAS NO.: 102-06-7

Specification:

Item	Powder	Oiled powder	Granule
Appearance	Gray-white powder(granule)		
Initial M.P. °C ≥	145.0	145.0	145.0
Loss on drying % ≤	0.30	0.50	0.30
Ash % ≤	0.30	0.30	0.30
Residue on 150µm sieve % ≤	0.10	0.10	
Residue on 63µm sieve % ≤	0.50	0.50	
Additive %		0.1-2.0	
Granule Diameter mm			1.50

Properties: Grayish-white powder(granule)No taste, no poison. Density is 1.08--1.19. Soluble in acetone, ethyl acetate, benzene, alcohol, slightly soluble in CCl₄; Insoluble in water and gasoline.

Application: Used as a secondary accelerator with thiazoles and sulphenamides in NR and SBR compounds. Exhibits better storage stability compared to thiuram and dithiocarbamates but is not so active. DPG can be used in latex as secondary gelling agent (foam stabilizer) in the silico-flouride foam process.

Packaging: 25kg bag.

Storage: Keep container tightly closed in a cool, well-ventilated place. The recommended maximum storage life is 2 years when stored under normal conditions.

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