



## **Kemai (Tianjin) Chemical Technical Co., Ltd.**

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### **PRODUCT DATA**

#### **DPG (D)**

Diphenyl guanidine

**CAS NO.:** 102-06-7

#### **FUNCTION**

DPG is used as a secondary accelerator in combination with thiazoles and sulfenamides in most of the sulfur cured elastomers. In NR and SBR lattices it is used as secondary gelling agent foam processes.

#### **APPLICATION AND PROPERTIES**

Used as a secondary chem. With thiazoles and sulphenamides in NR and SBR compounds. Exhibits better storage stability compared to thiuram and dithiocarbamates but is not as active. Can be used in latex as secondary gelling agent (foam stabilizer) in the silicoflouride foam process.

#### **STORAGE**

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

#### **SPECIFICATION:**

No.	Item	Specification			Test method
		powder	Oil powder	granular	
1	Appearance	Light yellow or grayish white powder or granular			Visual
2	Initial melting point °C ≥	145.0	145.0	145.0	JS-JY-FF-01/B
3	Heat loss % ≤ (100~105°C, 3g,2h)	0.20	0.20	0.20	JS-JY-FF-02/B
4	Ash % ≤ (550°C, 2g)	0.30	0.30	0.30	JS-JY-FF-03/B
5	Residues on sieve % ≤ (150µm)	0.03	0.03	—	JS-JY-FF-04/B
6	Purity % ≥	—	96.5	96.5	JS-JY-FF-13/B
7	Pellet hardness (Mean.value) N ≤	—	—	2	JS-JY-FF-05/B
8	Oil content %	—	1.5±0.5	—	JS-JY-FF-06/B

