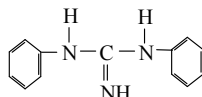


## Rubber Accelerator DPG(D)

**Chemical Name** Diphenyl Guanidine (D)

**Molecular Structure**



**Molecular Formula** C<sub>13</sub>H<sub>13</sub>N<sub>3</sub>

**Molecular Weight** 211

**CAS No.** 102-06-7

**Specifications** HG/T 2342-2010

Item	Specifications	
	1st grade	
Appearance	White or grey white powder or granular	
Initial Melting Point (°C)Min.	145.0	
Assay (%)Min.	97.0	
Heat Loss (%)Max.	0.3	
Ash (%)Max.	0.3	
Residue on 150 μ m Sieve (%)Max.	0.1	
Residue on 63 μ m Sieve (%)Max.	0.5	

**Properties** Relative density is 1.12~1.20g/cm<sup>3</sup>, soluble in alcohol, acetone and benzene, slightly soluble in carbon tetrachloride. It is stable in open air.

**Applications** It acts as middle-speed accelerator, suitable for natural and synthetic rubber, and also can be used as activator for kinds of thiazole, thiuram and sulfenamide. It acts as plasticizer and plastic-divider on chloroprene rubber, especially suitable for rubber products such as tire, rubber shoes, and so on. DPG is regulated for use in articles in contact with food as specified under FDA 21 CFR177.2600 and under BgVV XXI, Categories 3-4.

**Storage** Store closed containers in a cool, dry, well-ventilated area. Avoid exposure to direct sunlight.

**Packing** 20kg net paper bags lined with polyethylene film bags.