

Denax DPG Oiled Powder

Manufacturer: Lučební závody Draslovka a.s. Kolín

Classification: Guanidine Accelerator

Synonym Nomenclature: Diphenylguanidine

Specification Properties	Value
Active Substance Content, %	96.5 minimum
Ash, %	0.5 maximum
Heat Loss, %	0.5 maximum
Melting Point, °C	146 minimum
Oil Content, %	1-2
Sieve Residue on 0.071mm, %	0.3 maximum
Sieve Residue on 0.2mm, %	0.05 maximum
Typical Properties	Value
Physical Form	White to light yellow powder
Solubility in water, g/l	0.56

> APPLICATIONS

Description: Thiazole and sulfenamide booster, accelerator. Non-nitrosamine generating. Can replace TMTD in many applications. Excellent accelerator for curing thick rubber articles.

Polymers: Natural rubber and most synthetic rubbers.

Synergism: Synergistic effect with thiazoles, sulfenamides and thiurams.

Cure Effect: Excellent secondary accelerator for boosting thiazoles and sulfenamides. Slow curing primary accelerator for natural rubber but too slow for synthetic rubbers. DPG has less scorch safety than DOTG. Need slightly more DPG than DOTG to get the same state of cure.

Crosslink Type: DPG produces predominately poly-sulfidic crosslinks which maximizes the tear strength of its vulcanizates.

>FDA REGULATIONS

177.2600 Rubber articles for repeated use - Limitation 1.5% maximum

> PACKAGING AND STORAGE

Packaging: 15 kg (33 lb.) bags.

Shelf Life: 18 months minimum if stored as indicated below.

Storage: Store in unopened original packages in a cool dry place. Direct exposure to sunlight should be avoided.

Specification Date: April 1, 2014