



ORIENTAL CARBON AND CHEMICALS LIMITED

Publicis House
1-2 Aram Bagh , Community Centre
NEW DELHI 110 055, INDIA

SPECIFICATION SHEET OF DS-OT-25 AS

Description	Product Specification (%)	Test Method
Total Sulphur (%)	67.5 ± 1.5	ASTM D 4573
Insoluble Sulphur (%)	90 min	ASTM D 4578
Oil content (%)	25 ± 1.5	ASTM D 4573
Acidity (as H ₂ SO ₄)	0.05 max.	ASTM D 4569
Ash content (%)*	8 ± 1	ASTM D 4574
Moisture (%)	0.5 max.	ASTM D 4571
Fineness Retention (on wet screen) @ 100 mesh @ 200 mesh	0.2 2.0	ASTM D 4572
Thermal Stability @ 105°C for 15 min. in Liquid Paraffin	75 min	In-house method

*Ash is basically silica

Physical Appearance: Fine yellow powder.

Recommended Dosage factor of this grade: 1.48 x (desired phr of sulphur)

Application Benefit : This improves dispersion of IS in rubber matrix in the presence of Silica as carrier and simultaneously improves flowability of material as well. It maintains desired fineness level by inhibiting caking effect of oil within the product on storage and also strengthens bonding in between rubber & pre-coated steel cord, used for making steel-belt radial tyre.

In the compound, dose of Silica may be reduced in master batching stage where Silica is being used in the formulation, as Silica present in this particular grade is much higher (8 ± 1.0) what may be considered as an additional benefit in cost effectiveness.

Shelf – Life : 1 year from the manufacturing date (subject to the storage in dry ambience and at room temperature).

Date : 01/04/2014