



HARWICK

STANDARD

ISO 9001-2015 REGISTERED

Technical Data Sheet

Silica S

Silica S is a low cost, semi-reinforcing filler for rubber. Silica S is an amorphous silica (completely non-crystalline) with an average particle size of 0.15 microns. This product has a low moisture content (0.20%) medium surface activity. These properties balance the benefits of a silica filler in rubber compounds without the interference in the cure mechanism or the increase in compound viscosity associated with many high surface area silica fillers.

CAUTION: Product may contain small amounts of wood slivers.

TYPICAL PHYSICAL PROPERTIES

Color	Medium Gray
Specific Gravity	2.1
Average Particle Size, Microns	0.15
SiO ₂ , wt. %	96
Moisture, wt. %	0.20
Bulk Density, Powder (lbs./cu. ft.)	10
pH (5% Slurry)	7.0
Oil Absorption (g/100g)	122

TYPICAL CHEMICAL PROPERTIES

SiO ₂ , wt. %	96.0
MgO, wt. %	0.10
Zn, wt. %	0.02
PbO, wt. %	0.01
Fe ₂ O ₃ , wt. %	0.06
CuO, wt. %	0.001
Cr ₂ O ₃ , wt. %	0.001
TiO ₂ , wt. %	0.004
Fineness (-325 Mesh)	99.0

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HARWICK STANDARD DISTRIBUTION CORPORATION

60 S. SEIBERLING ST. • P.O. BOX 9360 • AKRON, OH 44305-0360 • U.S.A.

PHONE: (330) 798-9300 • FAX: (330) 798-0214

www.harwick.com