

CAB-O-SIL® DURAMOLD™ 2150



CAB-O-SIL DURAMOLD 2150 is a medium-high surface area fumed silica which imparts a significant increase in reinforcement in high temperature vulcanizing (HTV) elastomers. As with all Cabot fumed silica, CAB-O-SIL DURAMOLD 2150 is characterized by a highly aggregated structure with minimal impurities.

Application Information:

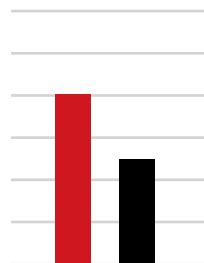
CAB-O-SIL DURAMOLD 2150 has been specifically tailored for maximum performance in high strength, high hardness, and high transparency elastomers, but also performs well in other HTV applications. Some examples of typical end products include:

- Automotive: Cable bushings, seals, gaskets, o-rings, boots, vibration dampers
- Electrical: Reinforced insulating hoses, cable seals, grommets, sockets, and terminals
- Medical: Seals, catheters, o-rings, valves and bellows, respiratory masks, tubing
- Appliances: Seals, bushings, gaskets, hoses
- Consumer: Kitchen tools, diving masks, footwear, swimming caps

Performance:

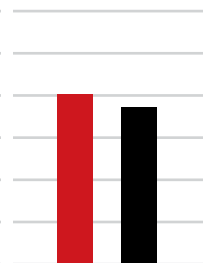
CAB-O-SIL DURAMOLD 2150 provides significant advantages over competitive products in many formulations and applications. Typical performance advantages are shown in Figures 1-4 below:

**FIGURE 1:
CLEANLINESS**



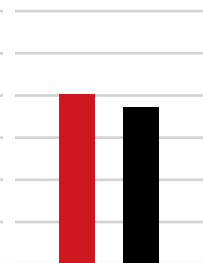
Up to 30% less grit reduces screen pack maintenance

**FIGURE 2:
CLARITY**



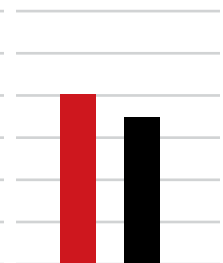
High purity and small particle size improves light transmission and aesthetics

**FIGURE 3:
TENSILE STRENGTH**



Up to 10% improvement in tensile strength enables high performance at reduced loading

**FIGURE 4:
TEAR STRENGTH**



Up to 15% improvement in tear strength creates elastomers of superior durability

■ CAB-O-SIL DURAMOLD 2150
■ Typical BET 200 Fumed Silica

CAB-O-SIL[®] DURAMOLD[™] 2150

Typical Properties:

BET Surface Area	244-277 m ² /g
pH (4% Aqueous Slurry)	3.8-4.3
325 Mesh Residue (44 microns)	0.02% max
Loss on Heating	1.0% max (at time of packaging)
X-ray	Amorphous

Packaging Options:

CAB-O-SIL DURAMOLD 2150 is packaged in 10 kg multi-wall Kraft paper bags and is available in poly-shrouded units containing 18 x 10 kg paper bags (180 kg net weight). CAB-O-SIL DURAMOLD 2150 is also available in flexible intermediate bulk containers (FIBCs).

Specific information regarding standard and custom packaging may be obtained by contacting a sales service representative at the Cabot Corporation office in your region.

Product Sales Specifications:

Sales specifications for CAB-O-SIL DURAMOLD 2150 may be obtained by contacting a sales or technical service manager at the Cabot Corporation office in your region.

Material Safety Data Sheet:

A Material Safety Data Sheet for this product may be obtained by contacting the Cabot Corporation office in your region or can be downloaded from cabotcorp.com



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