Seadrift SSP™ Super Premium petroleum-based needle coke is the world’s finest needle coke used for manufacturing higher quality ultra high power (UHP) graphite electrodes for melting scrap metal into recycled steel in electric arc furnaces (EAF). The vastly improved properties of the Seadrift SSP™ Super Premium needle coke, with its large particle size, low coefficient of thermal expansion (CTE), and low puffing rate result in graphite electrodes that enable 5% higher productivity in recycling steel operations. These innovative developments contribute to vastly improved energy savings for the steelmaking industry. The combination of GrafTech International’s breakthrough advances in materials science and Seadrift Coke’s unique processing technology and equipment allowed the merged new entity to produce the toughest needle coke in the industry.
Seadrift SSP™ Super Premium petroleum-based needle coke is one of the world’s highest quality needle cokes used for manufacturing higher quality ultra high power graphite electrodes for melting scrap metal into recycled steel in electric arc furnaces. The vastly improved properties of the Seadrift SSP™ Super Premium needle coke, with its low coefficient of thermal expansion (CTE), large particle size, and low puffing rate result in graphite electrodes with high bulk density and processing yield. The graphite electrodes which incorporate Seadrift SSP™ Super Premium coarse coke particles exhibit high work of fracture, thus high resistance to crack propagation. These innovative developments enable vastly improved energy savings for the steelmaking industry.

The specifications for the newly introduced Seadrift SSP™ Super Premium needle coke, along with the existing Seadrift SNP™ Normal Premium needle coke are shown in the following table.