Explanation of Silicone Viscosities

Question: "If the chemical formulas for Pure Silicones are the same, how do they get the different viscosities?

Answer: Higher viscosities are obtained by further processing. The processing elongates the silicone chain. The chains are linear.

Question: Even though the silicone chain is elongated and viscosities increase, do the properties remain the same?

Answer: Yes. For Pure Silicone fluids with viscosities over 5cSt there is little or no branching, (non-reactive end groups), with the SiO backbone. Above 5cSt, they all share the same CAS # 63148-62-9. In addition, they share very similar thermal, compression and dielectric properties.