Figure 4a
N990 versus Furnace Blacks* in Nitrile Rubber - Modulus

![Graph showing Modulus vs. Carbon Black Loading for N990 compared to other blacks.](image)

Source: R.T. Vanderbilt
Formula: See Appendix III

* - Nitrile Rubber cured 30 min @ 154°C

Figure 4b
N990 versus Furnace Blacks* in Nitrile Rubber - Tensile Strength

![Graph showing Tensile Strength vs. Carbon Black Loading for N990 compared to other blacks.](image)

Source: R.T. Vanderbilt
Formula: See Appendix III

* - Nitrile Rubber cured 30 min @ 154°C
Figure 4c
N990 versus Furnace Blacks* in Nitrile Rubber – ultimate elongation

![Graph showing ultimate elongation of N990 versus Furnace Blacks in Nitrile Rubber.](image)

* - Nitrile Rubber cured 30 min @ 154C

Source - R.T. Vanderbilt
Formula - See Appendix III

Figure 4d
N990 versus Furnace Blacks* in Nitrile Rubber – hardness

![Graph showing hardness of N990 versus Furnace Blacks in Nitrile Rubber.](image)

* - Nitrile Rubber cured 30 min @ 154C

Source - R.T. Vanderbilt
Formula - See Appendix III
Figure 4e
N990 versus Furnace Blacks* in Nitrile Rubber - tear strength

* - Nitrile Rubber cured 30 min @ 154C  
Source - R.T. Vanderbilt  
Formula - See Appendix III