CLAIMS

1. An oil-extended conjugated diene-based polymer comprising:
a polymer unit comprising a repeating unit derived from a conjugated diene-based monomer; and
a vegetable oil,
wherein, in a tan δ peak graph in accordance with temperature, derived from dynamic viscoelasticity analysis by an Advanced Rheometric Expansion System (ARES), a full width at half maximum (FWHM) value of a tan δ peak shown in a temperature range of -100°C to 100°C is 20°C or higher, and
the Advanced Rheometric Expansion System is measured using a dynamic mechanical analyzer with a torsional mode under conditions of a frequency of 10 Hz, a strain of 0.5%, and a temperature rise rate of 5°C/min.

2. The oil-extended conjugated diene-based polymer of claim 1, wherein the full width at half maximum value of a tan δ peak is 30°C to 80°C.

3. The oil-extended conjugated diene-based polymer of claim 1, wherein the full width at half maximum value of a tan δ peak is 35°C to 60°C.

4. The oil-extended conjugated diene-based polymer of claim 1, wherein the vegetable oil is one or more selected from the group consisting of soybean oil, rapeseed oil, canola oil, sunflower oil, linseed oil, rice bran oil, palm oil, olive oil, peanut oil, oil palm oil, cottonseed oil, and coconut oil.

5. The oil-extended conjugated diene-based polymer of claim 1, wherein the vegetable oil is comprised in 10 parts by weight to 60 parts by weight based on 100 parts by weight of the polymer unit.

6. The oil-extended conjugated diene-based polymer of claim 1, wherein the tan δ peak is shown in a temperature range of -80°C to 20°C.

7. The oil-extended conjugated diene-based polymer of claim 1, wherein the polymer unit further comprises a repeating unit derived from an aromatic vinyl-based monomer.

8. An oil-extended modified conjugated diene-based polymer comprising:
a modified polymer unit comprising a repeating unit derived from a conjugated diene-based monomer, and a functional group derived from a modifier; and
a vegetable oil,
wherein, in a tan δ graph in accordance with temperature, derived from dynamic viscoelasticity analysis by an Advanced Rheometric Expansion System (ARES), a full width at half maximum (FWHM) value of a tan δ peak shown in a temperature range of -100°C to 100°C is 20°C or higher, and
the Advanced Rheometric Expansion System is measured using a dynamic mechanical analyzer with a torsional mode under conditions of a frequency of 10 Hz, a strain of 0.5%, and a temperature rise rate of 5°C/min.

9. The oil-extended modified conjugated diene-based polymer of claim 8, wherein the modifier is an alkoxysilane-based modifier, and
the modified conjugated diene-based polymer has the Si and N contents of 50 ppm or more each, based on a total weight of the polymer.

10. A rubber composition comprising a polymer and a filler,
wherein the polymer is the oil-extended conjugated diene-based polymer according to claim 1 or the oil-extended modified conjugated diene-based polymer according to claim 8.

11. The rubber composition of claim 10, wherein the filler is comprised in 0.1 parts by weight to 200 parts by weight based on 100 parts by weight of the polymer.