

# Apéndice A

## Características mecánicas de las barras

**A.1 Características mecánicas de las barras VE-10**

Barra	Resistencia a la tracción promedio (Mpa)	Módulo de Young promedio (Gpa)
1-VE-10	840,80	41,88
2-VE-10	762,62	47,15
3-VE-10	808,47	45,48

**A.2 Características mecánicas de las barras VE-13**

Barra	Resistencia a la tracción promedio (Mpa)	Módulo de Young promedio (Gpa)
1-VE-13	-	-
2-VE-13	703,50	53,89
3-VE-13	703,83	39,52

**A.3 Características mecánicas de las barras TP-13**

Barra	Resistencia a la tracción promedio (Mpa)	Módulo de Young promedio (Gpa)
1-TP-13	783,38	55,95
2-TP-13	928,69	51,02
3-TP-13	928,10	53,14

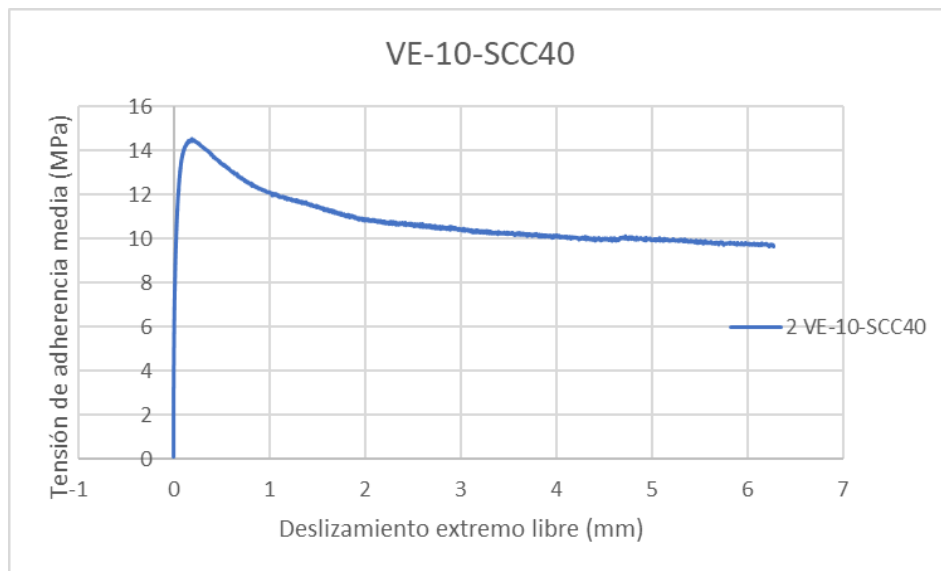
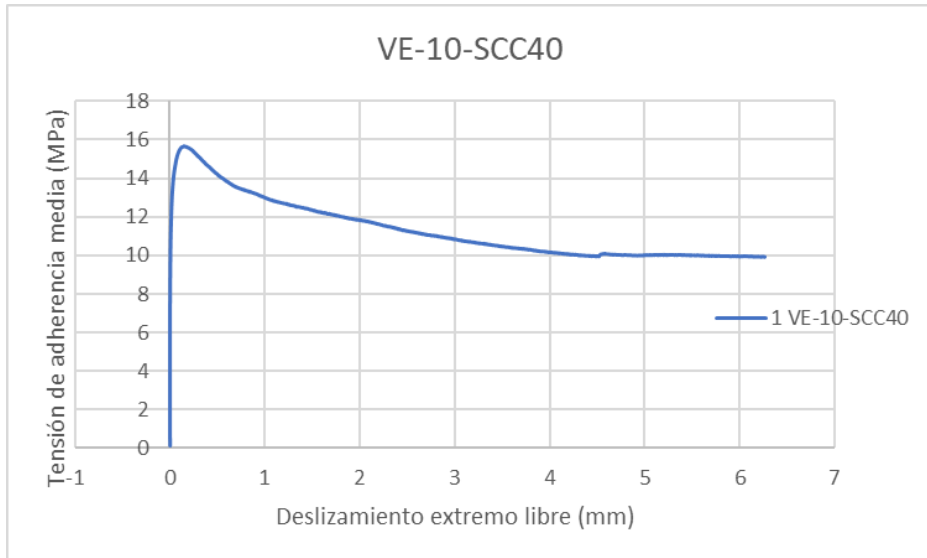
#### A.4 Características mecánicas de las barras ST-10

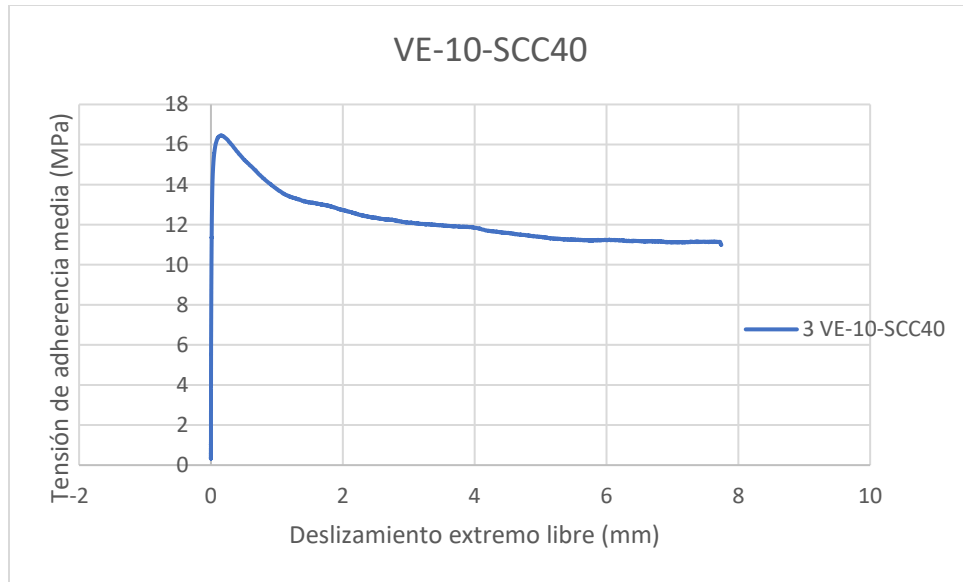
Barra	Resistencia a la tracción promedio (Mpa)	Módulo de Young promedio (Gpa)
1-ST-10	528,18	153,92
2-ST-10	530,13	148,80
3-ST-10	523,36	157,15

## **Apéndice B**

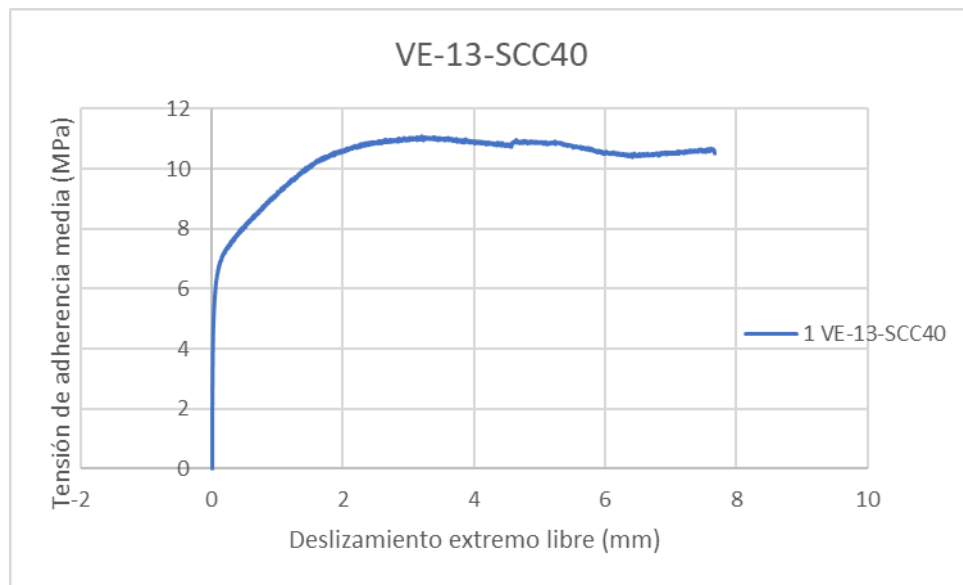
### **Curvas experimentales Tensión de adherencia- Deslizamiento**

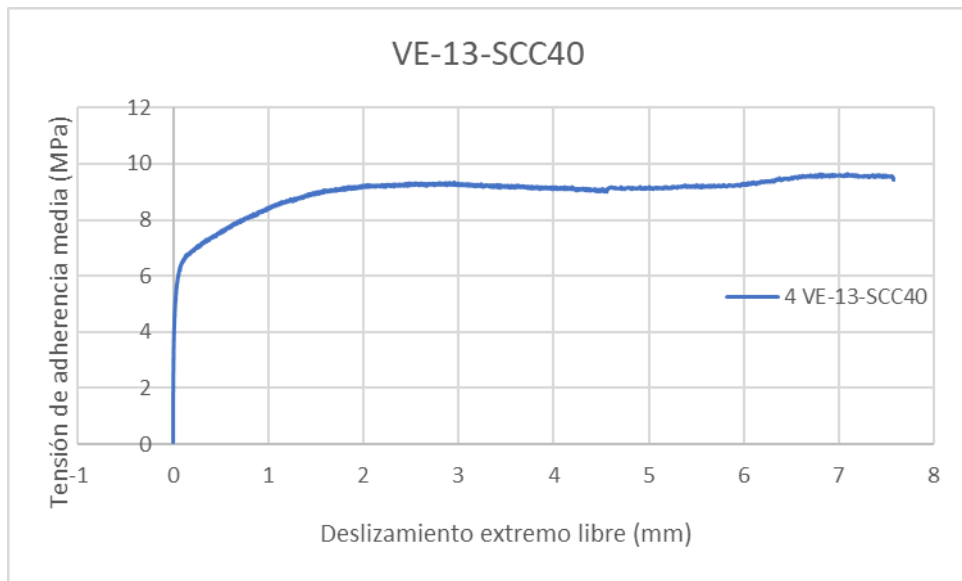
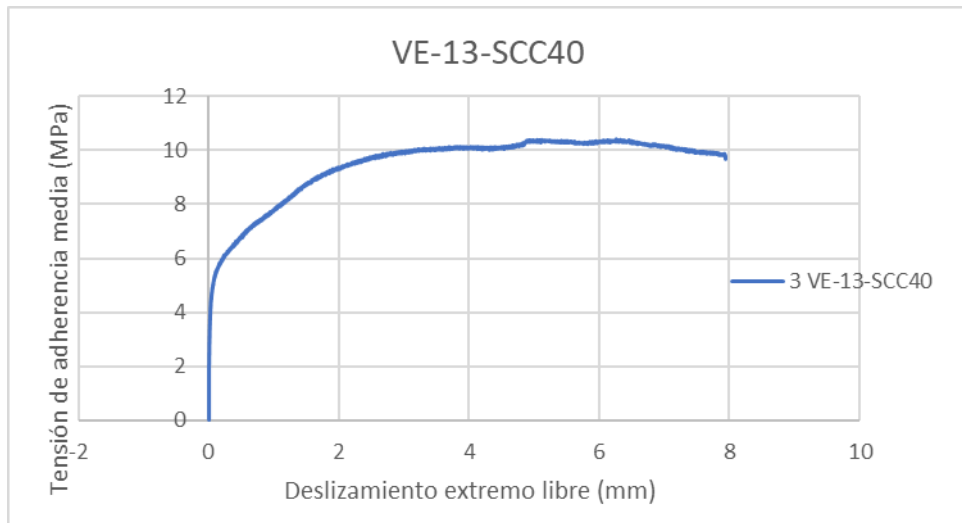
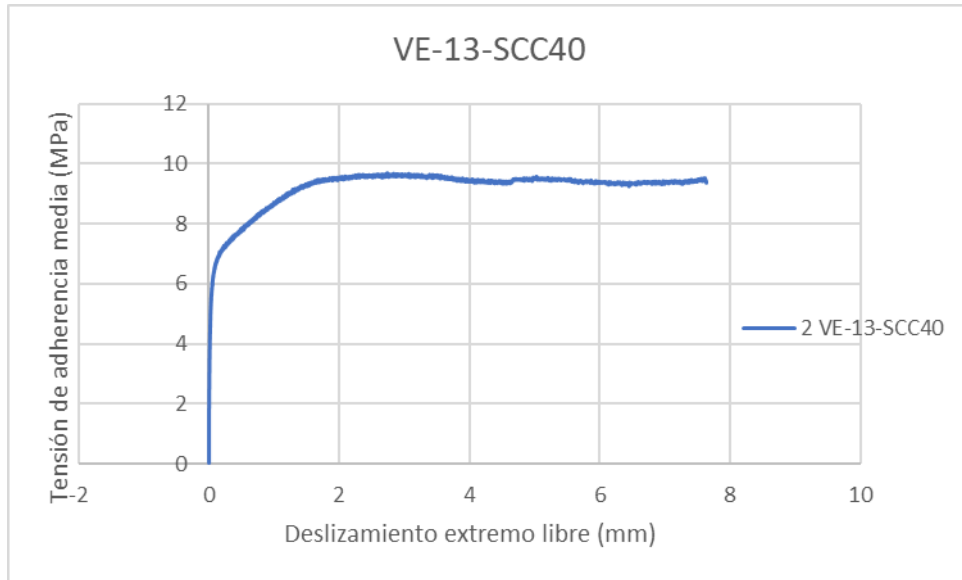
## B.1 Curvas experimentales Tensión de adherencia-Deslizamiento Barras VE-10-SCC40



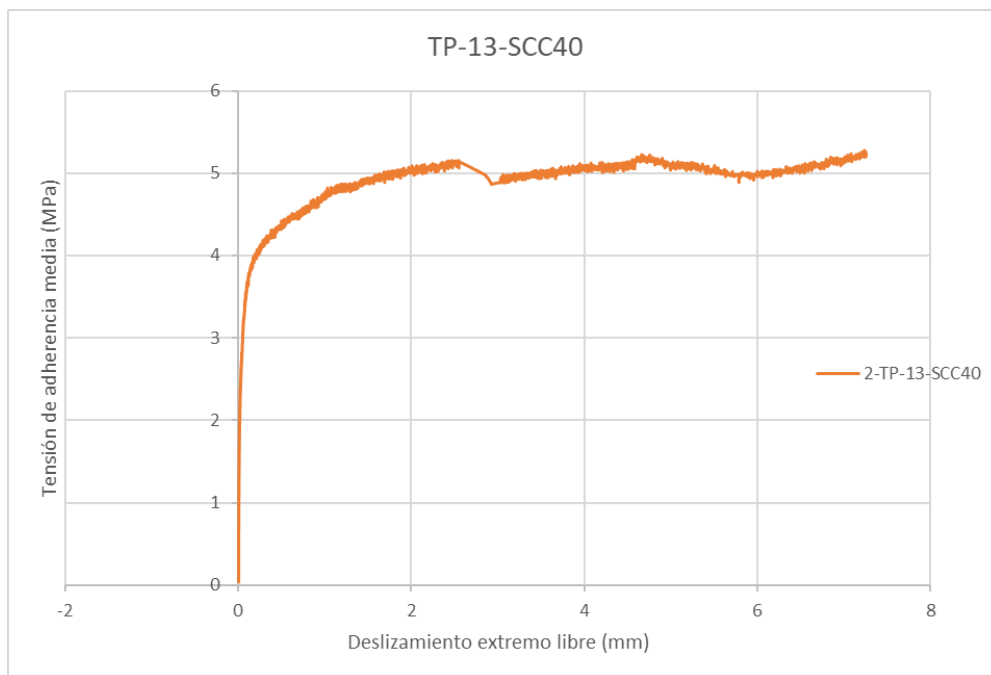
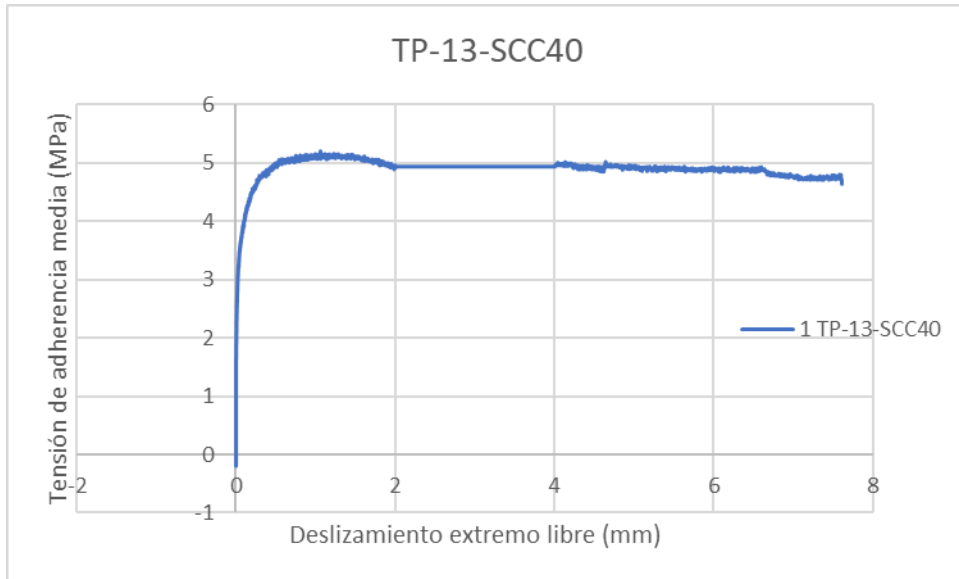


## B.2 Curvas experimentales Tensión de adherencia-Deslizamiento Barras VE-13-SCC40

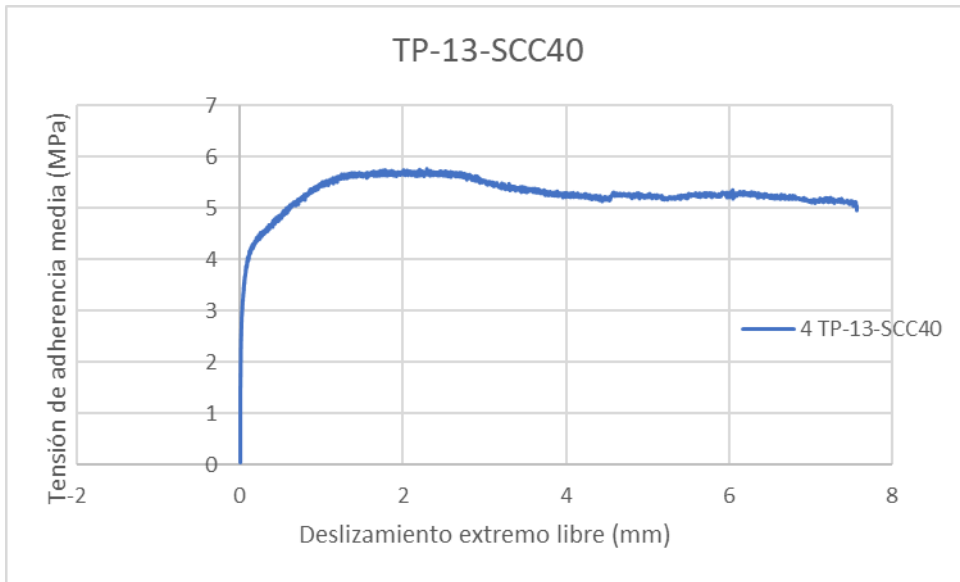
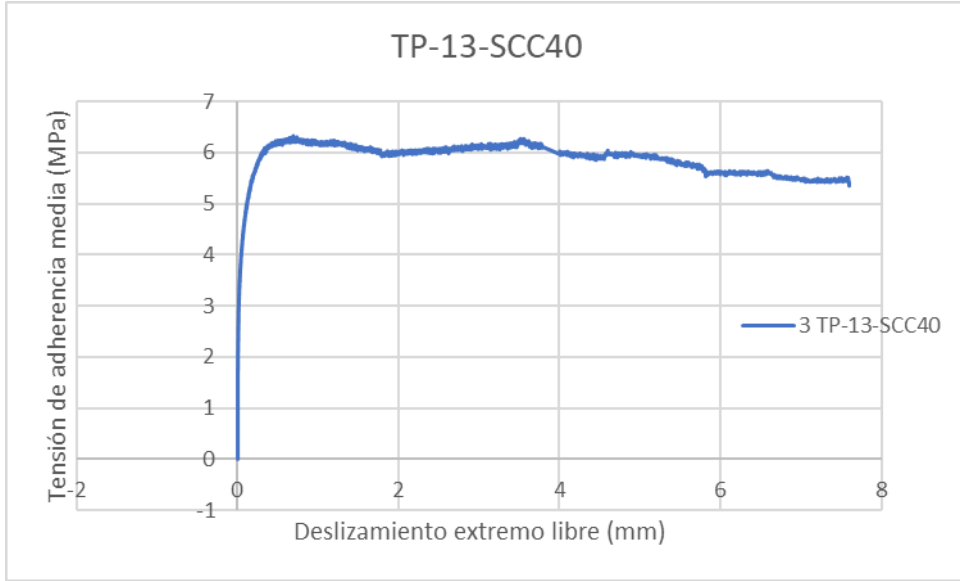




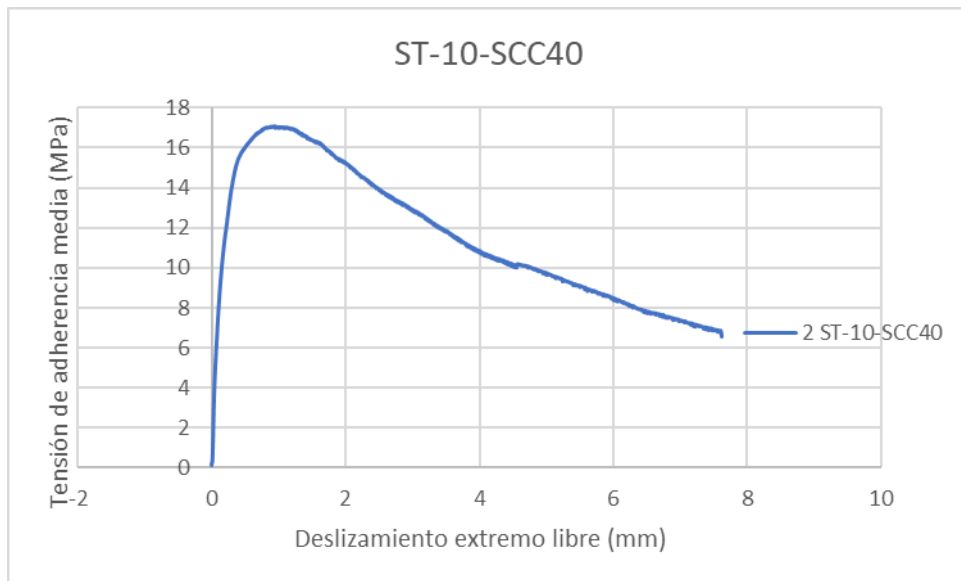
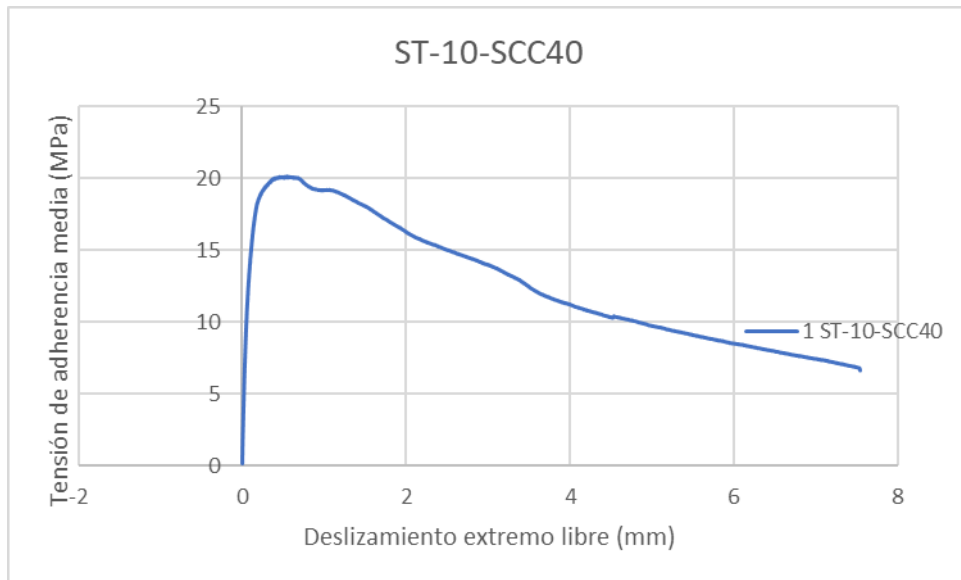
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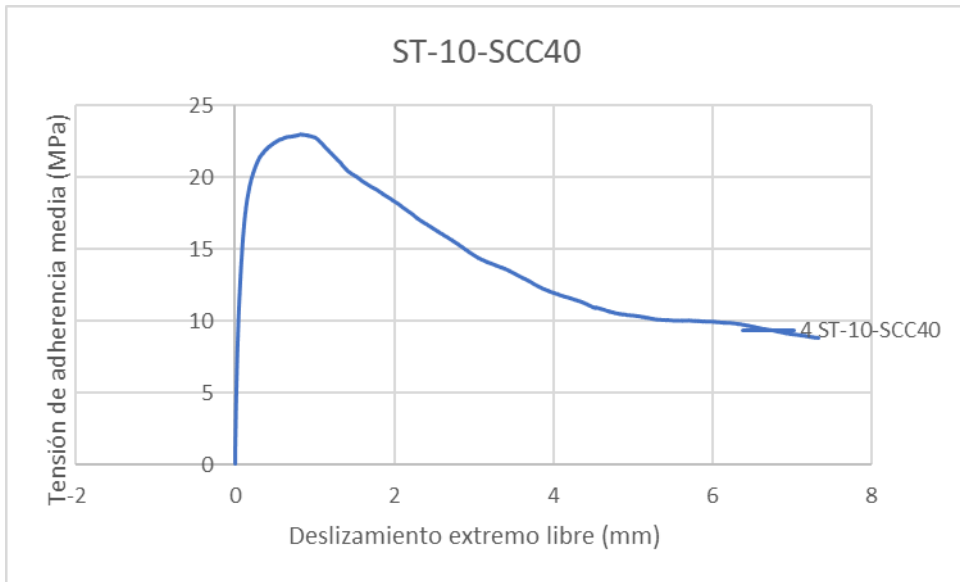




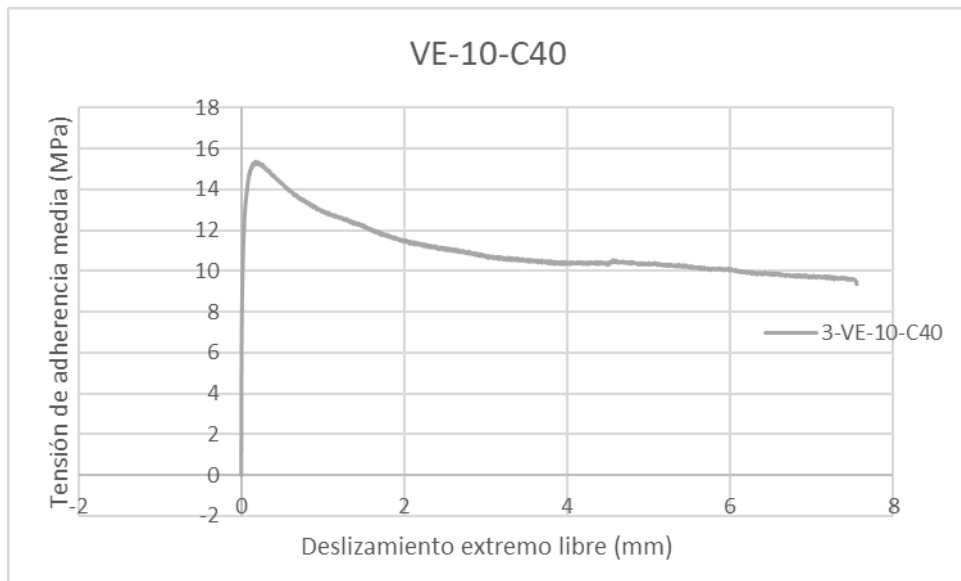
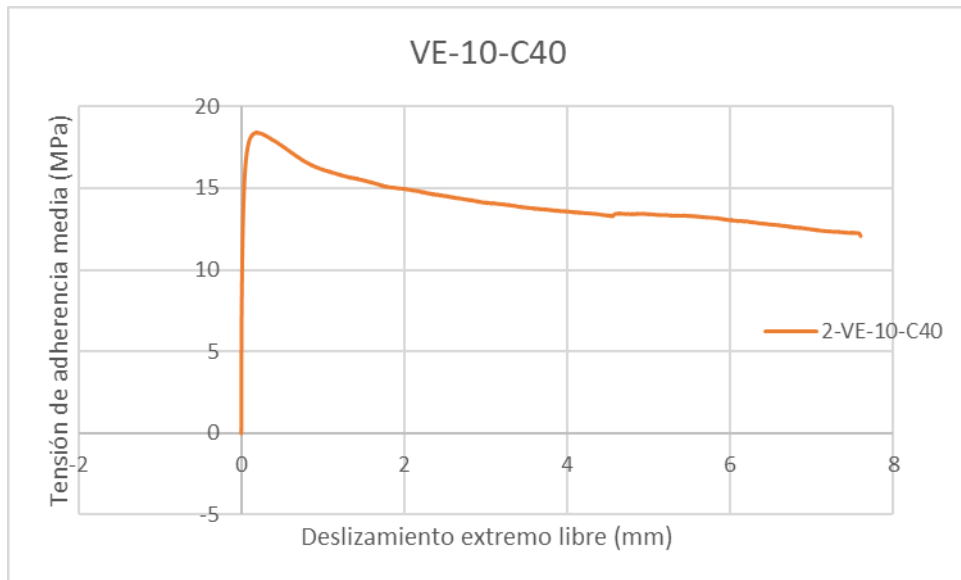


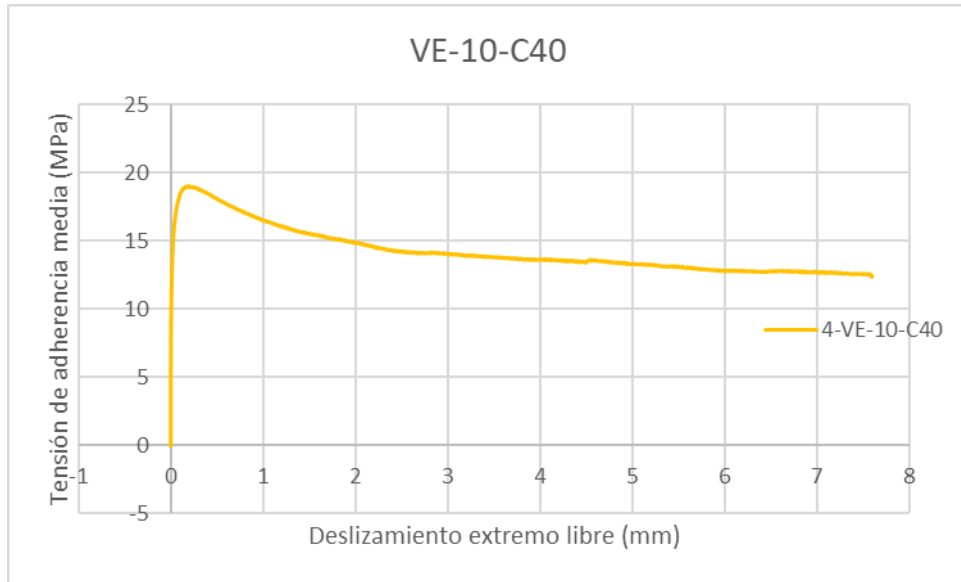
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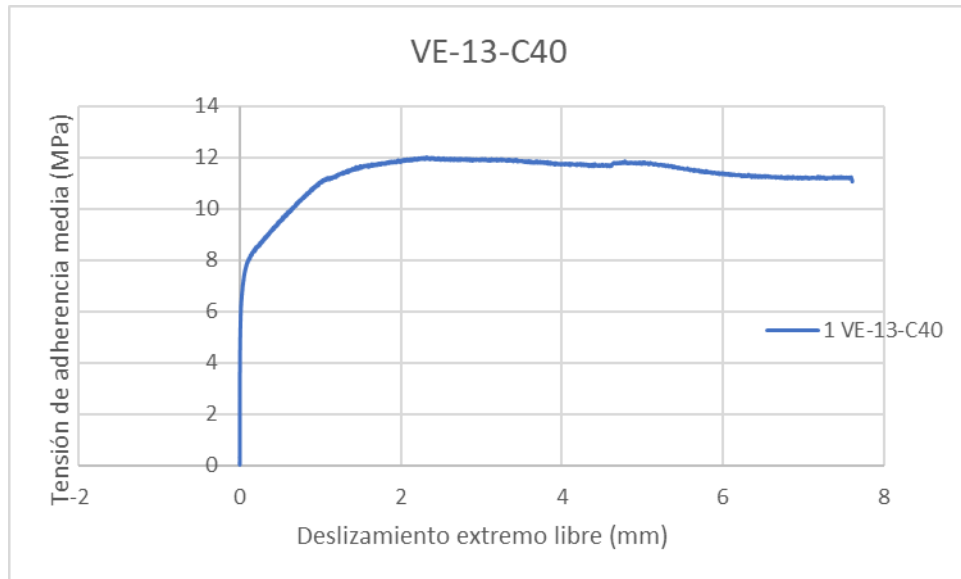


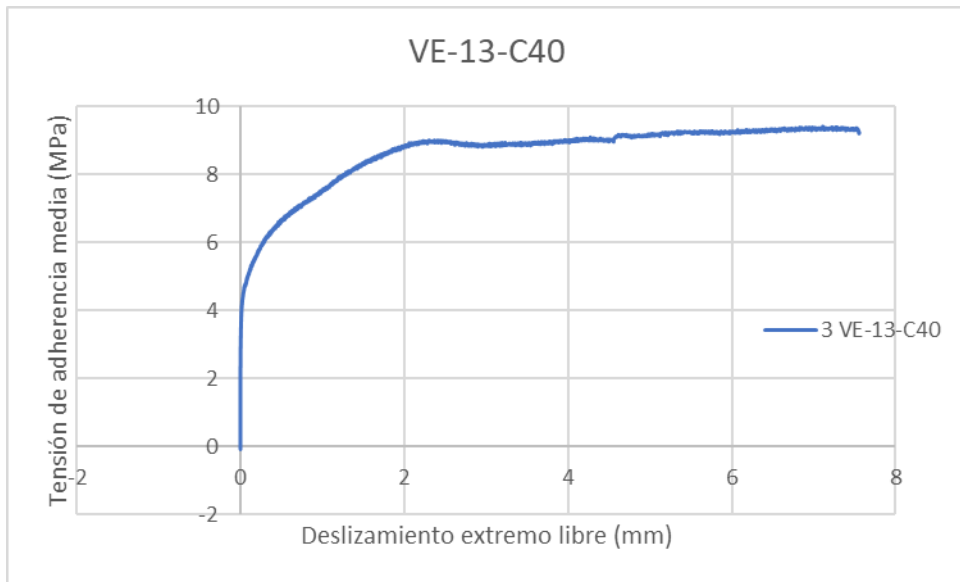
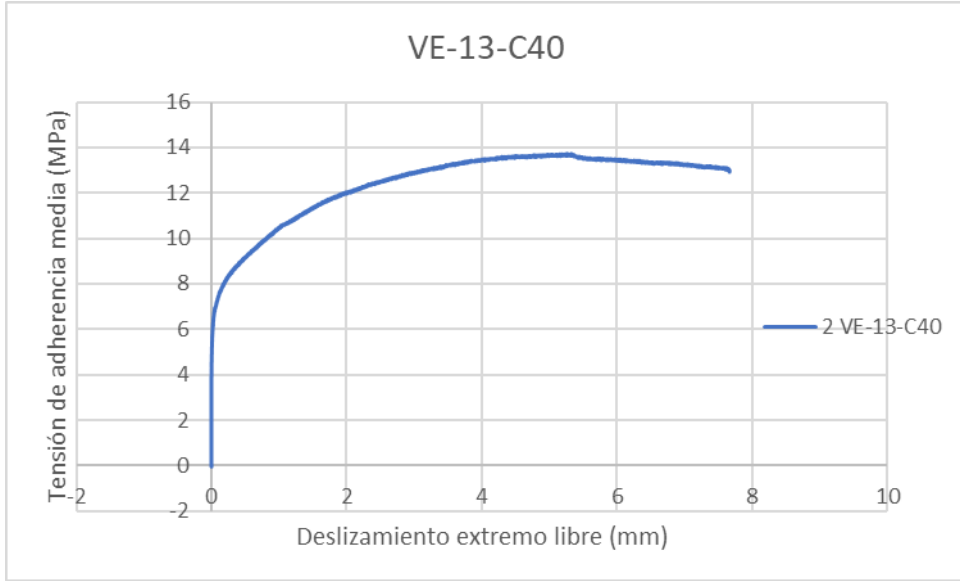
## B.5 Curvas experimentales Tensión de adherencia-Deslizamiento Barras VE-10-C40

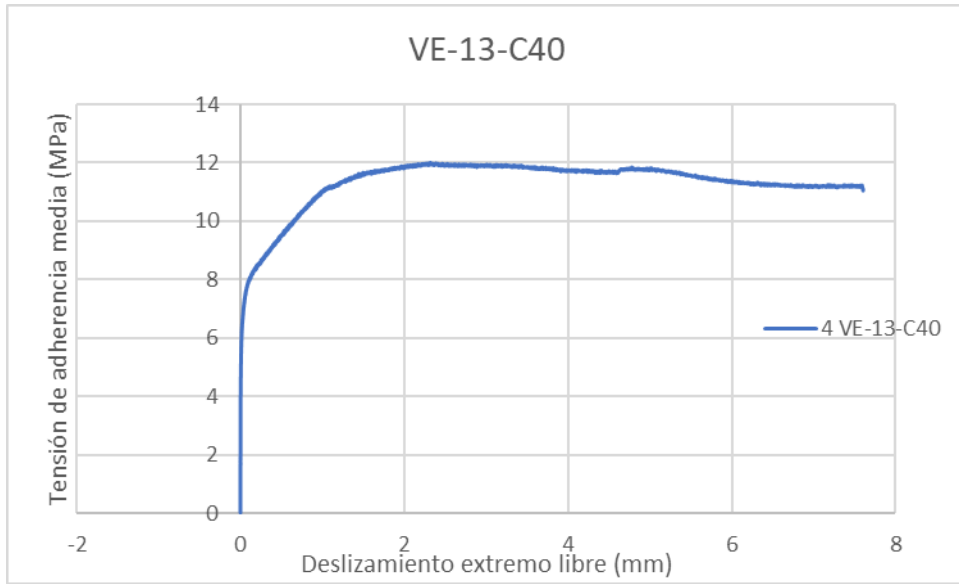




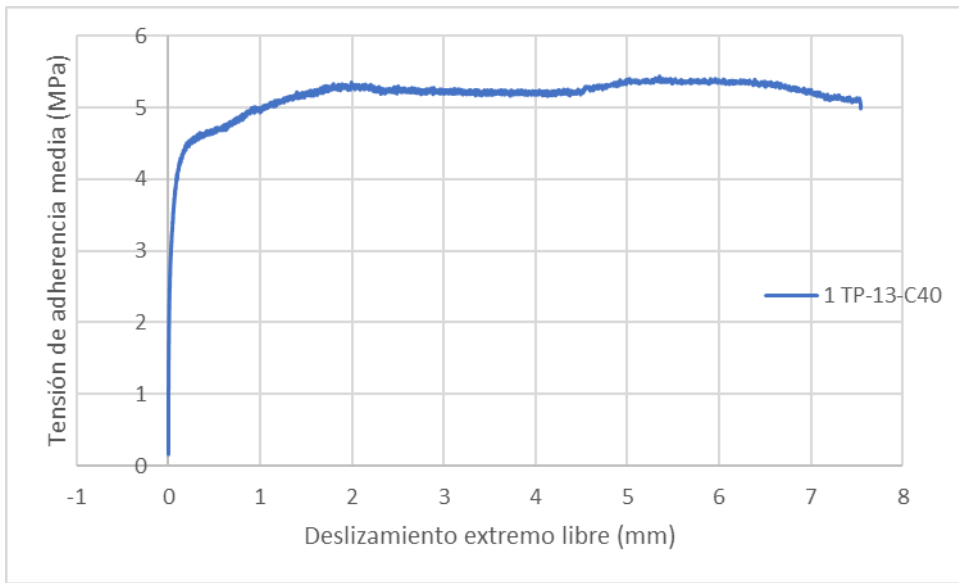
**B.6 Curvas experimentales Tensión de adherencia-Deslizamiento Barras VE-13-C40**

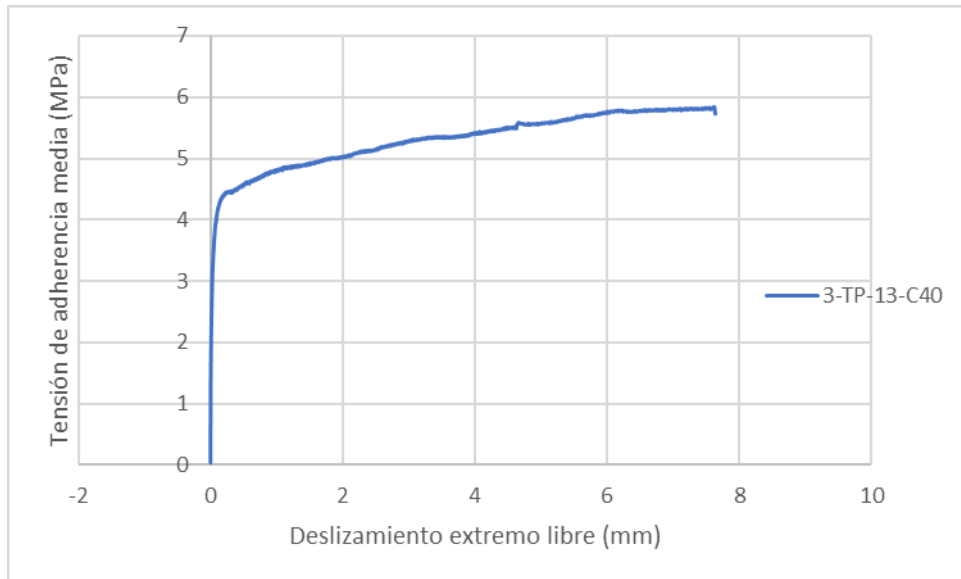
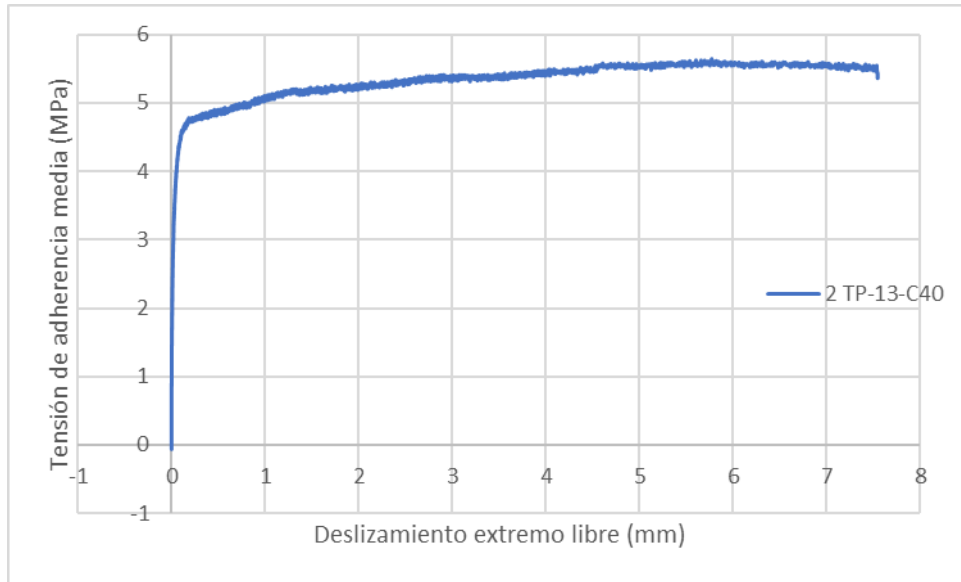




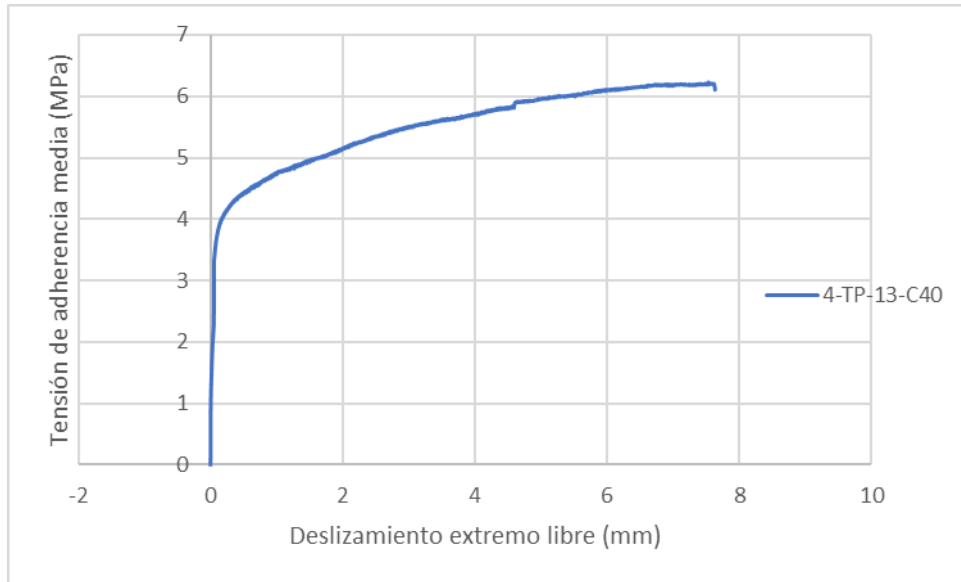


### B.7 Curvas experimentales Tensión de adherencia-Deslizamiento Barras TP-13-C40









### B.8 Curvas experimentales Tensión de adherencia-Deslizamiento Barras ST-13-C40

