

Liquid Silicone Rubber for Silicone Leather

CP Series

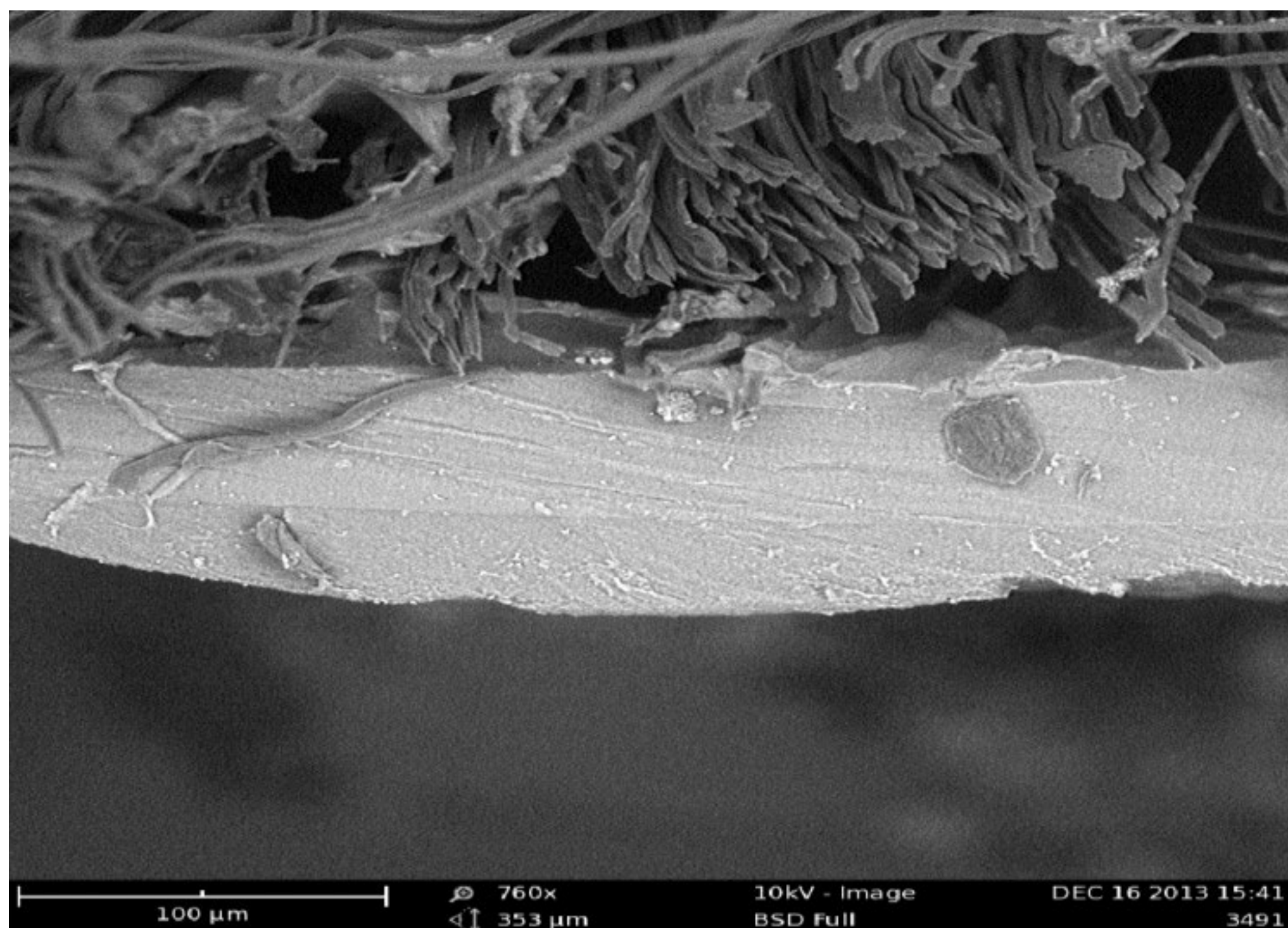
Features

- The CP series can be molded with artificial leathers with silicone properties.
 - This product offers new feels and characteristics that are not found in conventional artificial leathers.
- Points: Making silicone artificial leather with antifouling, flame retardancy, and water resistance is possible.

Molded Example

After applying the top-coat layer to the release paper, apply the adhesive coat layer and laminate the base fabric.

Molded Sample Cross Section



- ← Base fabric (polyester microfibers)
- ← Fixed coat layer (250 μm)
- ← Top-coat layer (30 μm)
- ← Release paper

General Properties

Product name	Parameter	Top-coat layer	Fixed coating layer			
		CP-001-A/B	CP-002-A/B	CP-005-A/B	CP-006-A/B	CP-007-A/B
Appearance		Clear liquid	Clear liquid	Black liquid	White liquid	Pink liquid
Viscosity	Pa·s	A:34 / B:30	A:260 / B:413	A:189 / B:349	A:194 / B:365	A:222 / B:407
Mix ratio		100 : 100				
Curability 150°C (MDR) s	T10	8	224	156	174	182
	T90	45	278	220	228	231
Standard curing conditions		150°C × 5 min				
After curing						
Hardness Shore A		83.1	51	51	51	52
Tensile strength	MPa	6.8	9.0	7.8	8.4	7.8
Elongation at break	%	60	530	430	510	490
Tear strength	N/mm	15.5 *1	34 *2	36 *2	36 *2	35 *2

*1 : Angle type *2 : Crescent type

(Not specified values)

Reference: Durability of silicone leather

Five thousand abrasion tests with sandpaper do not damage the surface of the article.

As a result of the test of the dyeing fastness of molded articles, we have obtained a grade 4 or higher rating.