



Clear Choice for PPF  
Excellent performance for  
protection car paint and  
beautiful surface

**Physical properties :**

CATEGORY	UNIT	RESULT	TEST METHOD
Product Thickness	$\mu\text{m}$	Avg. $190 \pm 4$	Thickness Gauge (PEACOCK G-7C)
Adhesive Strength	gf/inch	730	ASTM D 3330
Water Contact Angle	$^{\circ}$	105	ASTM D5946
UV Resistance	%	97.9	UV METER (LS-182)
Transmittance	%	86.3	Transmission Meter (LS-162)
Haze	%	26.49	Haze Meter (NDH5000)
Tensile Strength	$\text{Kg}/\text{mm}^2$	0.72	ASTM 882
Elongation (TD/MD)	%	(256.81/242.60)	ASTM 882
Stone Chip Resistance-Stone	-	No effected area	Gravelometer chip impact testing
Stain Resistance, Water & Soap Spotting, Acid rain, Acidic Materials (Bird Feces, Berries)Acetone, Etc	Rest for 40~1hr, check after 24hr	No effected area	Conco Method

**Physical Properties :**

CATEGORY	UNIT	RESULT	TEST METHOD
Product Thickness	$\mu\text{m}$	Avg. 190 $\pm$ 2	Thickness Gauge (PEACOCK G-7C)
Adhesive Strength	gf/inch	487.58	ASTM D 3330
Water Contact Angle	$^{\circ}$	105	ASTM D5946
UV Resistance	%	97.7	UV METER (LS-182)
Transmittance	%	86.3	Transmission Meter (LS-162)
Haze	%	19.85	Haze Meter (NDH5000)
Tensile Strength	Kgf/mm <sup>2</sup>	0.904	ASTM 882
Elongation (TD/MD)	%	(368.48/374.58)	ASTM 882
Stone Chip Resistance-Stone	-	No effected area	Gravelometer chip impact testing
Stain Resistance, Water & Soap Spotting, Acid rain, Acidic Materials (Bird Feces, Berries)Acetone, Etc	Rest for 40~1hr, check after 24hr	No effected area	Conco Method

T - 700

Ultra ProteK Clear 700

**Physical properties :**

PROPERTY	UNIT	RESULT	TEST METHOD
Product Thickness	$\mu\text{m}$	Avg. 185 $\pm$ 4	Thickness gauge (PEACOCK G-7C)
Adhesive Strength	gf/inch	1000 $\pm$ 20	ASTM D 3330
Water Contact Angle	$^{\circ}$	105	ASTM D5946
UVR	%	93.0	UV METER (LS-182)
VLT	%	87.2	Transmission Meter (LS-162)
Haze	%	21.50	Haze Meter (NDH5000)
Tensile Strength	Kgf/mm <sup>2</sup>	0.8915	ASTM 882
Elongation (TD/MD)	%	(396/370)	ASTM 882
Stone Chip Resistance-Stone	-	No effected area	Gravelometer chip impact testing
Stain Resistance, Water & soap spotting, Acid rain, acidic materials (bird feces, berries)acetone, etc	Rest for 40~1hr, check after 24hr	No effected area	Conco Method



PPF in action  
Superb technology of  
protection car paint and  
beautiful surface colors

**Physical properties :**

CATEGORY	UNIT	RESULT	TEST METHOD
Product Thickness	$\mu\text{m}$	Avg. 205 $\pm$ 4	Thickness Gauge (PEACOCK G-7C)
Adhesive Strength	gf/inch	> 900	ASTM D 3330
Water Contact Angle	$^{\circ}$	105	ASTM D5946
UV Resistance	%	100	UV METER (LS-182)
Transmittance	%	0	Transmission Meter (LS-162)
Tensile Strength	Kgf/mm <sup>2</sup>	0.6190	ASTM 882
Elongation (TD/MD)	%	(413.26/379.86)	ASTM 882
Stone Chip Resistance-Stone	-	No effected area	Gravelometer chip impact testing
Stain Resistance, Water & Soap Spotting, Acid rain, Acidic Materials (Bird feces, Berries)Acetone, Etc	Rest for 40~1hr, check after 24hr	No effected area	Conco Method

**Physical properties :**

CATEGORY	UNIT	RESULT	TEST METHOD
Product Thickness	$\mu\text{m}$	Avg. 185 $\pm$ 4	Thickness gauge (PEACOCK G-7C)
Adhesive Strength	gf/inch	> 900	ASTM D 3330
Water Contact Angle	$^{\circ}$	105	ASTM D5946
UV Resistance	%	100	UV METER (LS-182)
Transmittance	%	0	Transmission Meter (LS-162)
Tensile Strength	Kgf/mm <sup>2</sup>	0.7410	ASTM 882
Elongation (TD/MD)	%	(438.10/476.93)	ASTM 882
Stone Chip Resistance-Stone	-	No effected area	Gravelometer chip impact testing
Stain Resistance, Water & Soap Spotting, Acid rain, Acidic Materials (Bird feces, Berries)Acetone, Etc	Rest for 40~1hr, check after 24hr	No effected area	Conco Method

**Physical properties :**

CATEGORY	UNIT	RESULT	TEST METHOD
Product Thickness	$\mu\text{m}$	Avg. $180 \pm 4$	Thickness gauge (PEACOCK G-7C)
Adhesive Strength	gf/inch	> 900	ASTM D 3330
Water Contact Angle	$^{\circ}$	105	ASTM D5946
UV Resistance	%	100	UV METER (LS-182)
Transmittance	%	0	Transmission Meter (LS-162)
Tensile Strength	Kgf/mm <sup>2</sup>	0.8030	ASTM 882
Elongation (TD/MD)	%	(495.04/351.49)	ASTM 882
Stone Chip Resistance-Stone	-	No effected area	Gravelometer chip impact testing
Stain Resistance, Water & Soap Spotting, Acid rain, Acidic Materials (Bird feces, Berries)Acetone, Etc	Rest for 40~1hr, check after 24hr	No effected area	Conco Method

**Physical properties :**

CATEGORY	UNIT	RESULT	TEST METHOD
Product Thickness	$\mu\text{m}$	Avg. 210 $\pm$ 4	Thickness gauge (PEACOCK G-7C)
Adhesive Strength	gf/inch	> 900	ASTM D 3330
Water Contact Angle	$^{\circ}$	105	ASTM D5946
UV Resistance	%	100	UV METER (LS-182)
Transmittance	%	0	Transmission Meter (LS-162)
Tensile Strength	Kgf/mm <sup>2</sup>	0.6125	ASTM 882
Elongation (TD/MD)	%	(431.24/446.28)	ASTM 882
Stone Chip Resistance-Stone	-	No effected area	Gravelometer chip impact testing
Stain Resistance, Water & Soap Spotting, Acid rain, Acidic Materials (Bird feces, Berries)Acetone, Etc	Rest for 40~1hr, check after 24hr	No effected area	Conco Method

**Physical properties :**

PROPERTY	UNIT	RESULT	TEST METHOD
Product thickness	μm	Avg. 185 ± 4	Thickness gauge (PEACOCK G-7C)
Adhesive strength	gf/inch	712.87	ASTM D 3330
Water contact angle	°	105	ASTM D5946
UV resistance	%	97.3	UV METER (LS-182)
Transmittance	%	85.3	Transmission Meter (LS-162)
Haze	%	25.70	Haze Meter (NDH5000)
Tensile strength	Kgf/mm <sup>2</sup>	0.424	ASTM 882
Elongation (TD/MD)	%	(487.03/438.90)	ASTM 882
Stone Chip resistance-Stone	-	No effected area	Gravelometer chip impact testing
Stain resistance, Water & soap spotting, Acid rain, acidic materials (bird feces, berries)acetone, etc	Rest for 40~1hr, check after 24hr	No effected area	Conco Method

**Physical properties :**

CATEGORY	UNIT	RESULT	TEST METHOD
Product Thickness	$\mu\text{m}$	Avg. $170 \pm 4$	Thickness gauge (PEACOCK G-7C)
Adhesive Strength	gf/inch	> 900	ASTM D 3330
Water Contact Angle	$^{\circ}$	105	ASTM D5946
UV Resistance	%	95.5	UV METER (LS-182)
Transmittance	%	75.9	Transmission Meter (LS-162)
Tensile Strength	Kgf/mm <sup>2</sup>	0.9536	ASTM 882
Elongation (TD/MD)	%	(345.64/366.61)	ASTM 882
Stone Chip Resistance-Stone	-	No effected area	Gravelometer chip impact testing
Stain Resistance, Water & Soap Spotting, Acid rain, Acidic Materials (Bird feces, Berries)Acetone, Etc	Rest for 40~1hr, check after 24hr	No effected area	Conco Method

**Physical properties :**

CATEGORY	UNIT	RESULT	TEST METHOD
Product Thickness	$\mu\text{m}$	Avg. $196 \pm 4$	Thickness gauge (PEACOCK G-7C)
Adhesive Strength	gf/inch	>700	ASTM D 3330
Water Contact Angle	$^{\circ}$	105	ASTM D5946
UV Resistance	%	100	UV METER (LS-182)
Transmittance	%	0	Transmission Meter (LS-162)
Tensile Strength	Kgf/mm <sup>2</sup>	0.7590	ASTM 882
Elongation (TD/MD)	%	(483.68/463.5)	ASTM 882
Stone Chip Resistance-Stone	-	No effected area	Gravelometer chip impact testing
Stain Resistance, Water & Soap Spotting, Acid rain, Acidic Materials (Bird feces, Berries)Acetone, Etc	Rest for 40~1hr, check after 24hr	No effected area	Conco Method

**Physical properties :**

CATEGORY	UNIT	RESULT	TEST METHOD
Product Thickness	$\mu\text{m}$	Avg. $185 \pm 4$	Thickness gauge (PEACOCK G-7C)
Adhesive Strength	gf/inch	>700	ASTM D 3330
Water Contact Angle	$^{\circ}$	105	ASTM D5946
UV Resistance	%	92.3	UV METER (LS-182)
Transmittance	%	86.1	Transmission Meter (LS-162)
Tensile Strength	Kgf/mm <sup>2</sup>	0.9125	ASTM 882
Elongation (TD/MD)	%	(450.74/416.11)	ASTM 882
Stone Chip Resistance-Stone	-	No effected area	Gravelometer chip impact testing
Stain Resistance, Water & Soap Spotting, Acid rain, Acidic Materials (Bird feces, Berries)Acetone, Etc	Rest for 40~1hr, check after 24hr	No effected area	Conco Method



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