

MMS MULTILAYERS MAGNETRON SPUTTERED



70

Transmittance (VLT)	70%
UV Rejection	99%
IR Rejection (900-1000NM)	94%
IR Rejection (1000-1700NM)	97%
TSER	65%
Thickness	2MIL (50micron)
Break Strength	-

IR Durability Performance, Colour Durability Performance Warranty Up To **5** years



40

Transmittance (VLT)	40%
UV Rejection	99%
IR Rejection (900-1000NM)	94%
IR Rejection (1000-1700NM)	97%
TSER	72%
Thickness	2MIL (50micron)
Break Strength	-

IR Durability Performance, Colour Durability Performance Warranty Up To **5** years

MMS MULTILAYERS MAGNETRON SPUTTERED



20

Transmittance (VLT)	20%
UV Rejection	99%
IR Rejection (900-1000NM)	94%
IR Rejection (1000-1700NM)	97%
TSER	80%
Thickness	3MIL (75micron)
Break Strength	90lbs/inch

IR Durability Performance, Colour Durability Performance Warranty Up To **5** years



9-35

Transmittance (VLT)	35%
UV Rejection	99%
IR Rejection (900-1000NM)	80%
IR Rejection (1000-1700NM)	85%
TSER	65%
Thickness	3.5MIL (87.5micron)
Break Strength	100lbs/inch

IR Durability Performance, Colour Durability Performance Warranty Up To **5** years

NQS

NANO QUANTUM SAFETY



50

Transmittance (VLT)	45%
UV Rejection	99%
IR Rejection (900-1000NM)	95%
IR Rejection (1000-1700NM)	99%
TSER	76%
Thickness	6MIL (150micron)
Break Strength	191lbs/inch

IR Durability Performance, Colour Durability **7** years
Performance Warranty Up To



15

Transmittance (VLT)	15%
UV Rejection	99%
IR Rejection (900-1000NM)	97%
IR Rejection (1000-1700NM)	99%
TSER	85%
Thickness	6MIL (150micron)
Break Strength	191lbs/inch

IR Durability Performance, Colour Durability **7** years
Performance Warranty Up To

Qi8 NANO QUANTUM i8



70

Transmittance (VLT)	65%
UV Rejection	99%
IR Rejection (900-1000NM)	99%
IR Rejection (1000-1700NM)	99%
TSER	62%
Thickness	2MIL (50micron)
Break Strength	-

IR Durability Performance, Colour Durability **7** years
Performance Warranty Up To



50

Transmittance (VLT)	45%
UV Rejection	99%
IR Rejection (900-1000NM)	99%
IR Rejection (1000-1700NM)	99%
TSER	76%
Thickness	2MIL (50micron)
Break Strength	-

IR Durability Performance, Colour Durability **7** years
Performance Warranty Up To

Qi8 NANO QUANTUM i8



15

Transmittance (VLT)	15%
UV Rejection	99%
IR Rejection (900-1000NM)	99%
IR Rejection (1000-1700NM)	99%
TSER	85%
Thickness	2MIL (50micron)
Break Strength	-

IR Durability Performance, Colour Durability **7** years
Performance Warranty Up To



05

Transmittance (VLT)	05%
UV Rejection	99%
IR Rejection (900-1000NM)	99%
IR Rejection (1000-1700NM)	99%
TSER	90%
Thickness	2MIL (50micron)
Break Strength	-

IR Durability Performance, Colour Durability **7** years
Performance Warranty Up To

SSN

SAFETY V SPUTTERING NANO



50 HD

Transmittance (VLT)	45%
UV Rejection	99%
IR Rejection (900-1000NM)	90%
IR Rejection (1000-1700NM)	95%
TSER	65%
Thickness	4MIL (100micron)
Break Strength	112lbs/inch

IR Durability Performance, Colour Durability **7** years
Performance Warranty Up To



35 HD

Transmittance (VLT)	35%
UV Rejection	99%
IR Rejection (900-1000NM)	90%
IR Rejection (1000-1700NM)	95%
TSER	70%
Thickness	4MIL (100micron)
Break Strength	112lbs/inch

IR Durability Performance, Colour Durability **7** years
Performance Warranty Up To

SSN

SAFETY V SPUTTERING NANO



20 HD

Transmittance (VLT)	20%
UV Rejection	99%
IR Rejection (900-1000NM)	90%
IR Rejection (1000-1700NM)	95%
TSER	76%
Thickness	4MIL (100micron)
Break Strength	112lbs/inch

IR Durability Performance, Colour Durability **7** years
Performance Warranty Up To

05 HD

Transmittance (VLT)	07%
UV Rejection	99%
IR Rejection (900-1000NM)	90%
IR Rejection (1000-1700NM)	95%
TSER	80%
Thickness	4MIL (100micron)
Break Strength	112lbs/inch

IR Durability Performance, Colour Durability **7** years
Performance Warranty Up To

VSN

V SPUTTERING NANO



70A HD

Transmittance (VLT)	60%
UV Rejection	99%
IR Rejection (900-1000NM)	92%
IR Rejection (1000-1700NM)	95%
TSER	65%
Thickness	2MIL (50micron)
Break Strength	-

IR Durability Performance, Colour Durability **7** years
Performance Warranty Up To



70X HD

Transmittance (VLT)	70%
UV Rejection	99%
IR Rejection (900-1000NM)	90%
IR Rejection (1000-1700NM)	95%
TSER	50%
Thickness	2MIL (50micron)
Break Strength	-

IR Durability Performance, Colour Durability **7** years
Performance Warranty Up To

VSN

V SPUTTERING NANO



50 HD

Transmittance (VLT)	45%
UV Rejection	99%
IR Rejection (900-1000NM)	90%
IR Rejection (1000-1700NM)	95%
TSER	65%
Thickness	2MIL (50micron)
Break Strength	-

IR Durability Performance, Colour Durability **7** years
Performance Warranty Up To



35 HD

Transmittance (VLT)	35%
UV Rejection	99%
IR Rejection (900-1000NM)	90%
IR Rejection (1000-1700NM)	95%
TSER	70%
Thickness	2MIL (50micron)
Break Strength	-

IR Durability Performance, Colour Durability **7** years
Performance Warranty Up To

VSN

V SPUTTERING NANO



20 HD

Transmittance (VLT)	20%
UV Rejection	99%
IR Rejection (900-1000NM)	90%
IR Rejection (1000-1700NM)	95%
TSER	76%
Thickness	2MIL (50micron)
Break Strength	-

IR Durability Performance, Colour Durability **7** years
Performance Warranty Up To

05 HD

Transmittance (VLT)	07%
UV Rejection	99%
IR Rejection (900-1000NM)	90%
IR Rejection (1000-1700NM)	95%
TSER	80%
Thickness	2MIL (50micron)
Break Strength	-

IR Durability Performance, Colour Durability **7** years
Performance Warranty Up To

SPN

SAFETY PREMIUM NANO CERAMIC



65 HD

Transmittance (VLT)	65%
UV Rejection	99%
IR Rejection (900-1000NM)	90%
IR Rejection (1000-1700NM)	93%
TSER	58%
Thickness	4MIL (100micron)
Break Strength	112lbs/inch

IR Durability Performance, Colour Durability Performance Warranty Up To **5** years



50 HD

Transmittance (VLT)	45%
UV Rejection	99%
IR Rejection (900-1000NM)	90%
IR Rejection (1000-1700NM)	93%
TSER	62%
Thickness	4MIL (100micron)
Break Strength	112lbs/inch

IR Durability Performance, Colour Durability Performance Warranty Up To **5** years

SPN

SAFETY PREMIUM NANO CERAMIC



35 HD

Transmittance (VLT)	35%
UV Rejection	99%
IR Rejection (900-1000NM)	90%
IR Rejection (1000-1700NM)	93%
TSER	65%
Thickness	4MIL (100micron)
Break Strength	112lbs/inch

IR Durability Performance, Colour Durability **5** years
Performance Warranty Up To



20 HD

Transmittance (VLT)	20%
UV Rejection	99%
IR Rejection (900-1000NM)	90%
IR Rejection (1000-1700NM)	93%
TSER	71%
Thickness	4MIL (100micron)
Break Strength	112lbs/inch

IR Durability Performance, Colour Durability **5** years
Performance Warranty Up To



05 HD

Transmittance (VLT)	07%
UV Rejection	99%
IR Rejection (900-1000NM)	90%
IR Rejection (1000-1700NM)	93%
TSER	73%
Thickness	4MIL (100micron)
Break Strength	112lbs/inch

IR Durability Performance, Colour Durability **5** years
Performance Warranty Up To

PNC PREMIUM NANO CERAMIC



VG 75 HD

Transmittance (VLT)	75%
UV Rejection	99%
IR Rejection (900-1000NM)	90%
IR Rejection (1000-1700NM)	93%
TSER	45%
Thickness	2MIL (50micron)
Break Strength	-

IR Durability Performance, Colour Durability Performance Warranty Up To **5** years



70 HD

Transmittance (VLT)	75%
UV Rejection	99%
IR Rejection (900-1000NM)	90%
IR Rejection (1000-1700NM)	93%
TSER	50%
Thickness	2MIL (50micron)
Break Strength	-

IR Durability Performance, Colour Durability Performance Warranty Up To **5** years

PNC

PREMIUM NANO CERAMIC



65 HD

Transmittance (VLT)	65%
UV Rejection	99%
IR Rejection (900-1000NM)	90%
IR Rejection (1000-1700NM)	93%
TSER	58%
Thickness	2MIL (50micron)
Break Strength	-

IR Durability Performance, Colour Durability Performance Warranty Up To **5** years



50 HD

Transmittance (VLT)	45%
UV Rejection	99%
IR Rejection (900-1000NM)	90%
IR Rejection (1000-1700NM)	93%
TSER	62%
Thickness	2MIL (50micron)
Break Strength	-

IR Durability Performance, Colour Durability Performance Warranty Up To **5** years

PNC PREMIUM NANO CERAMIC



35 HD

Transmittance (VLT)	35%
UV Rejection	99%
IR Rejection (900-1000NM)	90%
IR Rejection (1000-1700NM)	93%
TSER	65%
Thickness	2MIL (50micron)
Break Strength	-

IR Durability Performance, Colour Durability **5** years
Performance Warranty Up To



20 HD

Transmittance (VLT)	20%
UV Rejection	99%
IR Rejection (900-1000NM)	90%
IR Rejection (1000-1700NM)	93%
TSER	71%
Thickness	2MIL (50micron)
Break Strength	-

IR Durability Performance, Colour Durability **5** years
Performance Warranty Up To



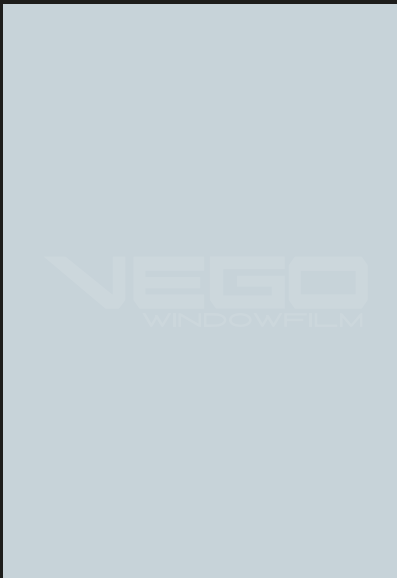
05 HD

Transmittance (VLT)	07%
UV Rejection	99%
IR Rejection (900-1000NM)	90%
IR Rejection (1000-1700NM)	93%
TSER	73%
Thickness	2MIL (50micron)
Break Strength	-

IR Durability Performance, Colour Durability **5** years
Performance Warranty Up To

SCB

SUPREME CHARCOAL BLACK



80 HD

Transmittance (VLT)	80%
UV Rejection	99%
IR Rejection (900-1000NM)	75%
IR Rejection (1000-1700NM)	85%
TSER	45%
Thickness	2MIL (50micron)
Break Strength	-

IR Durability Performance, Colour Durability Performance Warranty Up To **5** years



40 HD

Transmittance (VLT)	45%
UV Rejection	99%
IR Rejection (900-1000NM)	85%
IR Rejection (1000-1700NM)	90%
TSER	53%
Thickness	2MIL (50micron)
Break Strength	-

IR Durability Performance, Colour Durability Performance Warranty Up To **5** years

SCB

SUPREME CHARCOAL BLACK



30 HD

Transmittance (VLT)	35%
UV Rejection	99%
IR Rejection (900-1000NM)	85%
IR Rejection (1000-1700NM)	90%
TSER	58%
Thickness	2MIL (50micron)
Break Strength	-

IR Durability Performance, Colour Durability **5** years
Performance Warranty Up To



15 HD

Transmittance (VLT)	20%
UV Rejection	99%
IR Rejection (900-1000NM)	85%
IR Rejection (1000-1700NM)	90%
TSER	65%
Thickness	2MIL (50micron)
Break Strength	-

IR Durability Performance, Colour Durability **5** years
Performance Warranty Up To

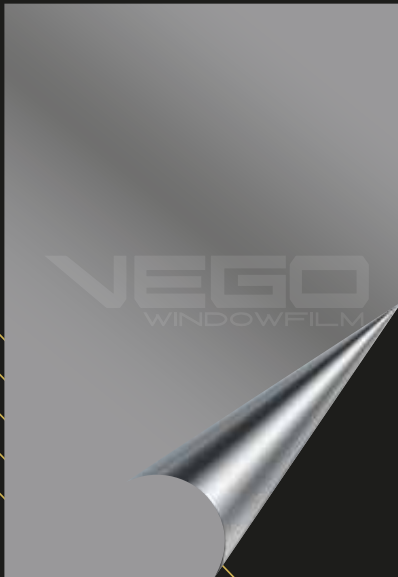
05 HD

Transmittance (VLT)	05%
UV Rejection	99%
IR Rejection (900-1000NM)	85%
IR Rejection (1000-1700NM)	90%
TSER	70%
Thickness	2MIL (50micron)
Break Strength	-

IR Durability Performance, Colour Durability **5** years
Performance Warranty Up To

DMP

DUO METALIZED PRO



15 PRO

Transmittance (VLT)	15%
UV Rejection	99%
IR Rejection (900-1000NM)	85%
IR Rejection (1000-1700NM)	90%
TSER	75%
Thickness	2MIL (50micron)
Break Strength	-

IR Durability Performance, Colour Durability
Performance Warranty Up To **8** years

PAINT PROTECTION FILM

OX-SHIELD



V

Thickness	7.5MIL (156.2µm)
Top Coat	0.5MIL (17.8µm)
PET	4.5MIL (80.1µm) TPU
Adhesive Layer	1.5 MIL (38.1UM)
Liner	1.0 MIL (35.6UM)
Adhesion (Peel Strength)	75 OZ/IN (837.5N/M)
Stretching Intensity	900 PSI (62MPa)
Tearing Strength	575 PLI (102.7kg/cm)
Elongation	>420%
Maximum Temperature	240°F (116°C)
Resistibility	Taber abrasion test - Tearless on 1.25 million times
Chemical Resistance	No damage on toluene test
Aging/weather Resistance	No damage on QUV 1000h
Thermal Effect	No damage up to 70c
Anti-crushing Test	Approved on stone crusher simulation system (SEA J400)

PAINT PROTECTION FILM

OX-SHIELD



E

Thickness	6.5MIL (208.3µm)
Top Coat	0.5MIL (17.8µm)
PET	3.5MIL (88.9µm)
Adhesive Layer	1.5 MIL (38.1UM)
Liner	1.0 MIL (35.6UM)
Adhesion (Peel Strength)	72 OZ/IN (804N/M)
Stretching Intensity	850 PSI (58.5MPa)
Tearing Strength	550 PLI (98.3kg/cm)
Elongation	>415%
Maximum Temperature	240°F (116°C)
Resistibility	Taber abrasion test Tearless on 1.25 million times
Chemical Resistance	No damage on toluene test
Aging/weather Resistance	No damage on QUV 1000h
Thermal Effect	No damage up to 70c
Anti-crushing Test	Approved on stone crusher simulation system (SEA J4000)

PAINT PROTECTION FILM

OX-SHIELD



G

Thickness	7.5mil/190micron
Top Coat	0.5MIL (17.8µm)
PET	4.5MIL (80.1µm) TPU
Adhesive Layer	1.5 MIL (38.1UM)
Liner	1.0 MIL (35.6UM)
Adhesion (Peel Strength)	72 OZ/IN (804N/M)
Stretching Intensity	850 PSI (58.5MPa)
Tearing Strength	550 PLI (98.3kg/cm)
Elongation	>410%
Maximum Temperature	240°F (116°C)
Resistibility	Taber abrasion test Tearless on 1.25 million times
Chemical Resistance	No damage on toluene test
Aging/weather Resistance	No damage on QUV 1000h
Thermal Effect	No damage up to 70c
Anti-crushing Test	Approved on stone crusher simulation system (SEA J4000)

PAINT PROTECTION FILM

OX-SHIELD



O

Thickness	6.5mil/160micron
Top Coat	0.5MIL (17.8µm)
PET	3.5MIL (80.1µm) TPU
Adhesive Layer	1.5 MIL (38.1UM)
Liner	1.0 MIL (35.6UM)
Adhesion (Peel Strength)	72 OZ/IN (804N/M)
Stretching Intensity	850 PSI (58.5MPa)
Tearing Strength	550 PLI (98.3kg/cm)
Elongation	>410%
Maximum Temperature	240°F (116°C)
Resistibility	Taber abrasion test Tearless on 1.25 million times
Chemical Resistance	No damage on toluene test
Aging/weather Resistance	No damage on QUV 1000h
Thermal Effect	No damage up to 70c
Anti-crushing Test	Approved on stone crusher simulation system (SEA J4000)

PAINT PROTECTION FILM

OX-SHIELD

Matte

Thickness	7.5MIL (156.2µm)
Top Coat	0.5MIL (17.8µm)
PET	4.5MIL (80.1µm) TPU
Adhesive Layer	1.5 MIL (38.1UM)
Liner	1.0 MIL (35.6UM)
Adhesion (Peel Strength)	75 OZ/IN (837.5N/M)
Stretching Intensity	900 PSI (62MPa)
Tearing Strength	575 PLI (102.7kg/cm)
Elongation	>420%
Maximum Temperature	240°F (116°C)
Resistibility	Taber abrasion test - Tearless on 1.25 million times
Chemical Resistance	No damage on toluene test
Aging/weather Resistance	No damage on QUV 1000h
Thermal Effect	No damage up to 70c
Anti-crushing Test	Approved on stone crusher simulation system (SEA J400)

PAINT PROTECTION FILM

OX-SHIELD



Black

Thickness	7.5MIL (156.2µm)
Top Coat	0.5MIL (17.8µm)
PET	4.5MIL (80.1µm) TPU
Adhesive Layer	1.5 MIL (38.1UM)
Liner	1.0 MIL (35.6UM)
Adhesion (Peel Strength)	75 OZ/IN (837.5N/M)
Stretching Intensity	900 PSI (62MPa)
Tearing Strength	575 PLI (102.7kg/cm)
Elongation	>420%
Maximum Temperature	240°F (116°C)
Resistibility	Taber abrasion test - Tearless on 1.25 million times
Chemical Resistance	No damage on toluene test
Aging/weather Resistance	No damage on QUV 1000h
Thermal Effect	No damage up to 70c
Anti-crushing Test	Approved on stone crusher simulation system (SEA J400)