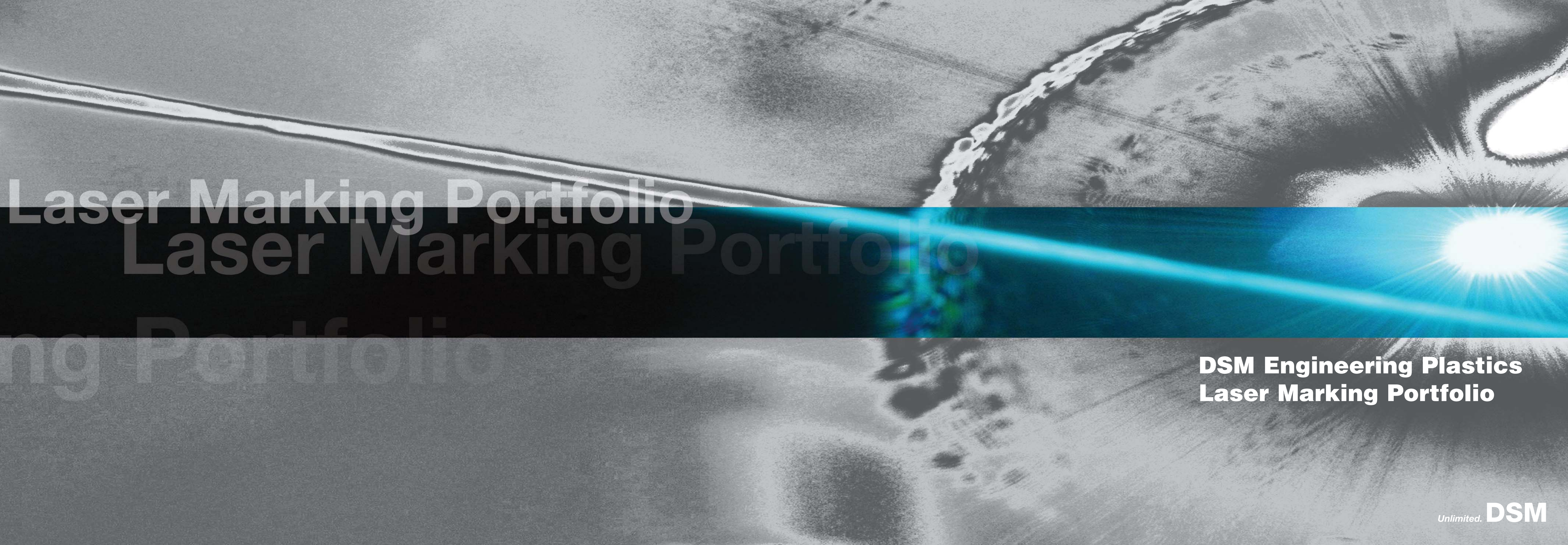




Laser Marking Portfolio

Laser Marking Portfolio

DSM Engineering Plastics
Laser Marking Portfolio

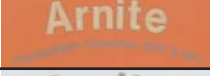
Commercial Akulon grades tuned for laser marking

Grade		Background Colour	Laser Marking	Contrast
K225-KS	Unfilled PA	Dark grey Q8.03.33.W	White	Akulon
K225-KWS	Unfilled PA	White F8.04.83	Dark grey	Akulon
K222-KWGV4	Reinforced PA	Light Grey KN.01.74	Dark grey	Akulon
K222-KGV4	Reinforced PA	Dark Grey S0.06.20	Light green	Akulon
K224-G6	Reinforced PA	Orange D3.61.43	Off-white / grey	Akulon
K224-HG6	Reinforced PA	Black TN.02.06.W	White	Akulon
K224-HGR24	Reinforced PA	Grey SN.02.48	White	Akulon
K224-HGR24	Reinforced PA	Black T3.03.06	White	Akulon

Other possibilities for Akulon

Grade		Background Colour	Laser Marking	Contrast
K224-G6	Reinforced PA	Black J8.03.06	Yellow	Akulon
K224-G6	Reinforced PA	Black T3.06.13	Red	Akulon
K224-G6	Reinforced PA	Black T5.05.06	Green	Akulon
K224-G6	Reinforced PA	Black X1.04.07	Blue	Akulon

Commercial Arnite grades optimized for Laser Marking

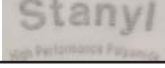
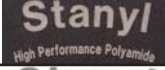
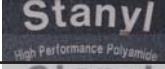
Grade		Background Colour	Laser Marking	Contrast
T06 202	Unfilled PBT	Black T3.06.13	Off-white	
T06 200	Unfilled PBT	Blue T2.53.33	Light blue	
T06 204 SN	Unfilled PBT	Dark grey S0.03.37	Off-white	
TV4 240	Reinforced PBT	White G1.04.83	Grey	
TV4 240	Reinforced PBT	Light Grey KN.01.73	Dark grey	
TV4 240	Reinforced PBT	Black T2.07.14	Light grey	
TV4 260 S	Reinforced PBT	White HN.02.85	Dark grey	
TV4 240 S	Reinforced PBT	Light Grey KN.01.74	Dark grey	
TV4 260 SF	Reinforced PBT	Grey G4.07.65	Dark grey	
TV4 460 KL	Reinforced PBT/PET	Orange C7.58.52	Dark grey or Yellow	
TV4 460	Reinforced PBT	Grey JN.02.74	Dark grey	
AV2 370/B	Reinforced PET	Natural	Dark grey	

Arnitel

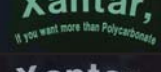
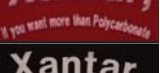
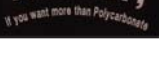
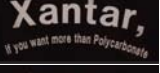
Grade		Background Colour	Laser Marking	Contrast
Arnitel	Natural	No marking		
Arnitel + Micabs	White	Dark marking		

Arnitel is not laser markable without a laser additive. Different Arnitel types have been tested with Micabs included: EL250, EM400, EM460, EL550, EL630 and EL740. Similar markings on all the types.

Laser markability of the commercial Stanyl grades

Grade		Background Colour	Laser Marking	Contrast
TW300	Unfilled PA46	Natural 00001	Light grey	
TW300	Unfilled PA46	Black 11000	White	
TW341	Unfilled PA46	Natural 00001	Light grey	
TW341	Unfilled PA46	Black 11000	White	
TE 300	Unfilled PA46	Natural 00001	Light grey	
TE 300	Unfilled PA46	Black 11000	White	
TE 350	Flame retardant PA46	Natural 00001	Dark brown	
TE 350	Flame retardant PA46	Black 11000	Brown	
TE 351	Flame retardant PA46	Natural 00001	Dark brown	
TE 351	Flame retardant PA46	Black 11000	Brown	
TW371	Unfilled PA46, Ptfе modified	Natural 00001	Grey	
TW200F6	Reinforced PA46	Natural 00001	White/Light grey	
TW200F6	Reinforced PA46	Black 11000	Off-white	
TE200F6	Reinforced PA46	Natural 00001	White/Light grey	
TE200F6	Reinforced PA46	Black 11000	Off-white	
TE250F6	Reinforced, flame	Natural 00001	Dark brown	
TE250F6	Retardant PA46	Black 11000	Dark brown	
46HF4130	High flow PA46	Natural 00001	Off-white	
46HF4130	High flow PA46	Black 11000	Light grey	
46HF5040	High flow PA46, flame retardant, reinforced	Natural 00001	Dark brown	
46HF5040	High flow PA46, flame retardant, reinforced	Black 11000	Brown	

Xantar laser marking grades

Grade		Background Colour	Laser Marking	Contrast	
22R	PC	Transparent 01001	Black		
		Transparent yellow 71003	Black		
22R	PC	White 33154	Dark grey		
		Light grey 23036	Dark grey/Black		
22R	PC	Black 13022	Off-white		
		Black 13L07	Yellow		
22R	PC	Black 13L09	Green		
		Black 13L10	Red		
22R	PC	Black 13L12	White/Silver		
		Yellow 73001	Dark grey/Black		
22R	PC	Dark green 83009	Light green		
		Dark red 53023	Light red		
FC 23R	Flame retardant PC	White 33229	Dark grey/Black		
		Black 13004	Off-white		
G2F 23R	Reinforced/ flame retardant PC	White 34024	Dark grey/Black		
G4F 23R	Reinforced/ flame retardant PC	White 34052	Dark grey/Black		
G4F 23R	Reinforced/ flame retardant PC	Black 14004	Off-white		
MX 1002	Specialty PC	White 33052	Dark grey/ Black		
MX 1002	Specialty PC	Black 13022	Light Brown		
MX 1002	Specialty PC	Black 13035	Light brown		
CM406	PC/ABS	White 30174	Dark grey/Black		
		Grey 20302	Dark grey/Black		
CM406	PC/ABS	Black 10L17	White/Silver		
		Black 10018	Off-white		
CM406	PC/ABS	Black 10001	Dark brown		
		Yellow 70028	Dark grey/Black		
CF102	PC/ ABS flame retardant	Black 10001	Brown		
CF107	PC/ ABS flame retardant	White 30174	Dark grey/Black	