



# AGERGAARD DOCTOR BLADE MATERIAL OVERVIEW

steelBLADE polyBLADE	steelBLADE C	steelBLADE S	steelBLADE T	polyBLADE S	polyBLADE U	polyBLADE P
<b>Material (code)</b>	Carbon steel (C3/C6)	Stainless steel (E5)	Tooling steel (T8)	Polyester (KF)	UHMW (UP)	Thermoplastic (PP)
<b>Profiles</b>	L/K/B/AS	L/K/B/AS	L/K/B	S/B	K/B	K/B
<b>Width (mm)</b>	10-60	10-60	25-60	20-70	20-80	20-80
<b>Thickness</b>	0.15/0.2/0.25/0.3	0.15/0.2/0.25/0.3	0.15/0.2/0.25	0.19/0.25/0.35/0.5	0.8/1.0/1.6/2.0	0.50/0.80/1.00
<b>Properties</b>	fine carbide structure; 595HV hardness	extra fine alloy of chrome & nickel; corrosion resistant; 580HV hardness	extremely fine microstructure; excellent wear resistance; 620HV hardness	flexible with good restoring forces, resistant to wear and corrosion; 100m rolls	very good wear resistance, high chemical resistance; 30m rolls	rigid, extended lifetime, high chemical resistance; 50-100m rolls
<b>Typical application</b>	price attractive for large blade consumption; mainly for solvent & UV applications	high quality printing for all inks; mainly for water-based applications to prevent corrosion	very long lifetime (up to 4x the lifetime of steelBLADE C); mainly for strongly abrasive applications (eg. opaque white) or long printing runs	mainly used as retaining blade, rarely as doctoring blade due to its high flexibility	used as a doctoring & retaining blade; very long lifetime (up to 4x longer than steel); mainly for corrugated post print presses with average printing quality (line & surface printing)	standard plastic blade material; used as doctoring & retaining blade; higher quality printing (partly also halftone printing);