

# KH Water Dispersed Solutions - updated



KH SWCNT water solution (WS)	WS Gen.1.0	WSGen.2.0	WS Gen.2.1	WS Gen.2.2	WS Gen.2.3			
SWCNT type	KH SWCNT ED							
SWCNT content (wt.%)*	0.04 / 0.1	0.1	0.1	0.1	0.1			
Water soluble ingredients (NaCl etc.)	O	-	-	-	-			
Surfactant	O	O	O	O	O			
Stability	very good	very good	very good	very good	excellent			
Specifications	- Acid treatment can enhance the conductivity of TCF by removing surfactant.	<ul style="list-style-type: none"> <li>- No need to remove surfactant and water soluble ingredients</li> <li>- Direct coating can make TCF.</li> <li>- Additional acid treatment can enhance the conductivity of TCF.</li> </ul>						
TCF performance (T of PET film included)	Acid treatment O	X	O	X	X	O	X	O
w/o overcoat	TT=85% R=250Ω/sq	TT=79% R=900Ω/sq	TT=79% R=100Ω/sq	TT=79% R=900Ω/sq	TT=79% R=900Ω/sq	TT=79% R=100Ω/sq	TT=79% R=500Ω/sq	TT=79% R=90Ω/sq
w/ overcoat	TT=90% R=250Ω/sq	TT=83% R=600Ω/sq	TT=83% R=100Ω/sq	TT=83% R=600Ω/sq	TT=83% R=600Ω/sq	TT=83% R=100Ω/sq	TT=83% R=400Ω/sq	TT=83% R=90Ω/sq

\* SWCNT content: 0 < ~ up to 0.2%

2014年2月更新