





































# Technical Data

## KSS Material Specification Overview

Material	Shortcut	Temperature	Flammability	Properties	Environment
NYLON66	PA66	Installation Temperature 0°C Operating Temperature -40~85°C	UL94V-2	※High yield strength	RoHS  
	PA66-W	Installation Temperature 0°C Operating Temperature -40~85°C	UL94V-2	※High yield strength ※UV resistance	RoHS  
	PA66-HS	Installation Temperature 0°C Operating Temperature -40~105°C	UL94V-2	※High yield strength ※Heat stabilized	RoHS  
	PA66-V0	Operating Temperature -40~85°C	UL94V-0	※High yield strength ※Flame retardant, low smoke emission	RoHS  
	PA66-CW	Operating Temperature -40~85°C	UL94HB	※High yield strength ※Resistance to low temperature, UV light, and high impact	RoHS  
	PA66-MD		UL94HB	※High yield strength ※Metal and X-Ray detectable	RoHS  
NYLON6	PA6		UL94HB	※High yield strength	RoHS  
NYLON612	PA612		UL94HB	※Low moisture absorption ※UV resistance and corrosion resistance	RoHS  
NYLON12	PA12		UL94HB	※Low moisture absorption ※Resistance to chemicals and UV light	RoHS  
NYLON46	PA46	150°C	UL94V-2	※Low moisture absorption ※High temperature resistance	RoHS  
Polypropylene	PP			※Floats in water ※Resistance to chemicals and high impact	RoHS  
	PP-V0		UL94V-0	※Floats in water ※Resistance to chemicals and high impact ※Flame retardant	RoHS  
Polyethylene	LDPE			※Floats in water ※Low moisture absorption ※Better resistance to low temperature ※Weaker resistance to heat and UV light	RoHS  
	HDPE			※Floats in water ※Low moisture absorption. ※Better resistance to heat ※Better mechanical properties, like hardness and tensile strength	RoHS  
Polyvinyl Chloride	Rigid PVC	Service temperature 85°C UL test up to 50°C	UL94V-0	※Low moisture absorption ※Resistance to high impact, chemicals, acids, and oils	RoHS 
	Flexible PVC			※Low moisture absorption	RoHS 
Polycarbonate	PC		UL94V-2	※Transparent ※Strong mechanical properties and resistance to heat	RoHS  
Acrylonitrile Butadiene Styrene	ABS		UL94HB	※Resistance to high impact	RoHS  
PC/ABS Alloy	PC/ABS		UL94V-0	※Resistance to low temperature and high impact	RoHS  
Stainless steel	SS304	Operating Temperature -60~300°C	Non-burning	※Good in UV resistance and corrosion resistance.	RoHS  
	SS316	Operating Temperature -60~300°C	Non-burning	※Excellent in UV resistance and corrosion resistance.	RoHS 