

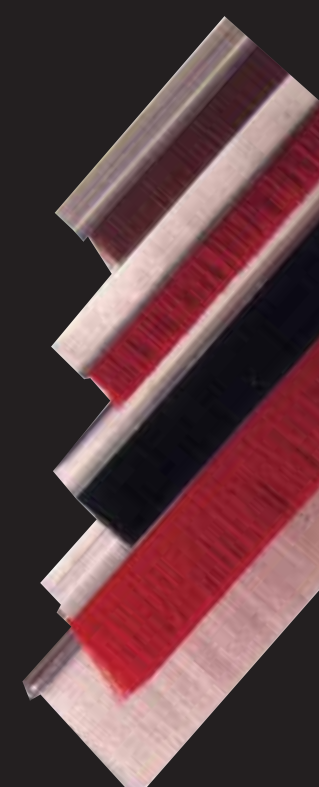
Filling Materials

Key: E = Excellence G = Good F = Fair P = Poor

	FILL MATERIALS		NYLON 6	NYLON 6:6	NYLON 6:12	POLYPROPYLENE	POLYESTER PBT	HAIR	BRISTLE	VEGETABLE FIBRE
SYNTHETIC	Nylon 6									
	Nylon 6:6									
	Nylon 6:12									
	Polypropylene	Abrasion Resistance	G	G	E	G	G	F	F	P
	Polyester PBT	Flex Life	E	E	E	E	E	F	F	P
	Polyester PET	Blend Recovery	E	E	E	F	E	F	F	P
	Polyethelene PEX	Resistance to taking a set	G	G	G	P	G	G	G	G
	PVC	General Solvent Resistance	G	G	G	G	G	E-G	E-G	E-G
NATURAL	Abrasive Nylon	Flicking Action	G	G	E	G	E	G	G	G
	Vegetable Fibre	Retention of Stiffness in water	P	F	G	E	E	F	G	F
	Natural Bristle	Prolonged Exposure to Hot water	G	G	G	P	G	G	G	G
METAL	Horsehair	Resistance to Sunlight	G	G	G	F	G	E	E	G
	Carbon Steel	Water Absorption %	9.5	8.5	3	0.01	0.5	30	30	25
	Stainless Steel	Maximum Recommended Dry Working Temperature °C	130°C	150°C	140°C	70°C	120°C	100°C	150°C	40°C
	Phosphor Bronze									
	Brass	Maximum Recommended Wet Working Temperature °C	120°C	130°C	130°C	80°C	100°C	80°C	80°C	100°C

Key: G = Good F = Fair P = Poor N = Not Suitable

CHEMICAL COMPOUND	FILLING MATERIALS							CHEMICAL COMPOUND	FILLING MATERIALS							
	NYLON 6	NYLON 6:6	NYLON 6:12	POLYPROPYLENE	POLYESTER	PVC	BRISTLE & HAIR		VEGETABLE FIBRE	NYLON 6	NYLON 6:6	NYLON 6:12	POLYPROPYLENE	POLYESTER	PVC	BRISTLE & HAIR
Acetic Acid 10%	P	P	F	F	F	N	F	F	Hydrogen Peroxide 30%	N	N	N	F	F	N	G
Acetone	G	G	G	G	G	P	G	G	Kerosene	G	G	G	F	G	G	G
Alcohol, Ethyl, 40%	G	G	G	G	G	F	G	G	Lubricating Oil	G	G	G	F	G	G	G
Alcohol, Ethyl, 100%	G	*	*	G	G	P	*	*	Methanol	F	F	G	G	G	G	G
Alcohol, Methyl, 10%	G	G	G	G	G	G	G	G	Methylethyl Ketone (MEK)	G	G	G	G	G	N	G
Alcohol, Methyl, 100%	G	G	G	G	G	N	G	G	Milk (& products)	G	G	G	G	G	G	G
Ammonia, Liquid (0.88)	G	G	G	G	G	P	N	N	Mineral Oils	G	G	G	F	G	G	G
Ammonium Nitrate	G	G	G	G	G	P	G	G	Motor Oil	G	G	G	P	G	G	G
Aniline	F	F	G	P	G	N	G	G	Nitric Acid 10%	N	N	G	G	G	F	N
Anti-freeze (Ethyl Glycol)	G	G	G	G	G	F	G	G	Nitric Acid 50%	P	N	P	P	G	F	N
Arklone (Dry cleaning fluid)	G	G	G	G	*	*	*	*	Oils & Fats (Vegetable)	G	G	G	G	G	G	G
Beer	G	G	G	G	G	G	G	G	Olive Oil	G	G	G	G	G	G	G
Bleaching Powder (Dilute solution)	N	N	F	G	G	G	N	N	Oxalic Acid 10%	N	N	G	F	G	F	N
Bleaching Powder (Conc. solution)	N	N	P	G	*	*	N	N	Paraffin	G	G	G	F	G	G	G
Borax (Sodium Borate)	*	*	*	G	*	G	F	G	Petrol	G	G	G	N	G	G	G
Brine	G	G	G	G	G	G	G	G	Phosphoric Acid 20%	N	N	G	G	G	G	N
Calcium Carbonate	*	*	*	F	*	G	G	G	Potassium Bicarbonate	N	N	N	G	G	G	*
Carbon Tetrachloride	G	G	G	N	G	N	G	G	Silicone Oils	G	G	G	G	*	*	G
Castor Oil	G	G	G	G	G	G	G	G	Sodium Bisulphate	N	N	N	*	G	*	N
Chlorine	N	P	N	F	N	N	N	N	Sodium Bicarbonate	*	*	*	G	*	G	*
Cider	G	G	G	G	G	G	G	G	Sodium Chloride (Salt)	G	G	G	G	G	G	G
Citric Acid 10%	P	P	G	G	G	F	G	G	Sodium Hydroxide (Caustic Soda)	G	G	G	G	N	G	N
Coconut Oil	G	G	G	G	G	G	G	G	Starch	G	G	G	G	G	G	G
Cotton Seed Oil	G	G	G	G	F	G	G	G	Stearic Acid	P	P	P	G	G	G	G
Creosote	*	*	*	*	F	N	G	G	Sugar	G	G	G	G	G	G	G
Detergent (Aqueous)	G	G	G	G	G	G	G	G	Sulphuric Acid, 10%	N	N	G	G	G	G	N
Developers (Photographic)	*	*	*	G	*	G	*	*	Tallow	G	G	G	G	*	G	G
Dextrose	G	G	G	G	*	G	G	G	Tartaric Acid, 10%	*	*	G	G	*	G	G
Diesel Fuels	G	G	G	G	G	N	G	G	Toluene	G	G	G	N	G	N	G
Ethylene Glycol	G	G	G	G	G	F	G	G	Trichlorethylene	P	P	G	N	N	N	G
Formaldehyde 40%	N	N	N	G	*	F	G	G	Turpentine	G	G	G	N	G	G	G
Fruit Pulp	G	G	G	G	G	G	G	G	Vinegar	F	G	G	G	G	G	N
Fuel Oil	G	G	G	P	G	N	G	G	Washing Soda	*	*	*	*	G	*	F
Genkleene (ICI)	*	G	N	F	*	*	*	*	White Spirit	G	G	G	F	G	*	G
Hydrochloric Acid 50%	N	N	N	F	P	G	N	N	Yeast	*	*	*	G	*	G	G
Hydrofluoric Acid 40%	N	N	N	G	P	F	N	N	Zinc Oxide	G	G	G	G	*	*	G



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