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DEVIL_24 S5 FO SR





DESCRIPTION	NORM EN ISO 20345:2022 + A1:2024	RESULT	REQUIREMENT
UPPER: PVC – 8% Nitrilic rubber	5.4.2 Thickness 5.4.4 Modulus at 100 % elongation: 5.4.5 Flexing resistance:	3,10 mm 1,8 N/mm^2 296 % no cracking before 150.000 flexes.	≥ 1,00 mm 1,3 to 4,6 N/mm^2 ≥ 250 % no cracking before 150.000 flexes.
SAFETY TOE CAP: Steel	5.3.2.6 Impact resistance 5.3.2.7 Compression resistance	17,5 mm 16,0 mm	≥ 14 mm ≥ 14 mm
PIERCE-RESISTANCE: Stainless stee	6.2.1.1.3 Determination of penetration resistance	PASS	Min.1100 N
SOLE: PVC – 8% Nitrilic rubber	5.8.3 Tear strength 5.8.4 Abrasion resistance 5.8.5 Flexing resistance 6.4.2 Oils resistance 6.2.10 Slip resistance on ceramic with glycerin (tilted towards the heel of 7°) (tilted towards the tip of 7°) 5.3.5.2 Slip resistance on ceramic with cleaning agent (tilted towards the heel of 7°) (tilted towards the tip of 7°) 6.2.2.2 Antistatic	10,7 kN/m 226 mm^3 0,8 mm 2,0 % 0,23 0,26 0,41 0,47 Dry : 111,2 MΩ Wet: 65,4 MΩ	≥ 8 kN/m ≤ 250 mm^3 ≤ 4,0 mm ≤ 12% ≥ 0,19 ≥ 0,22 ≥ 0,31 ≥ 0,36 0,1 ÷ 1000 MΩ 0,1 ÷ 1000 MΩ

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SIZE: 36-48

WEIGHT: (KG)

36	37	38	39	40	41	42	43	44	45	46	47	48
1,592	1,751	1,910	2,069	2,228	2,387	2,546	2,705	2,864	3,023	3,182	3,341	3,500

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PVC - Chemical resistance table

Disclaimer: The information published below is intended as a general guide only and is not intended as a qualified guarantee on our part. The preparation of this document is based on information from raw material suppliers, acquired in good faith and from sources believed to be reliable and trustworthy. In no event does this document imply any liability on the part of Exena.

LEGENDA

2	Good resistance
1	Sufficient resistance
X	Not recommended

Chemical agents		Resistance index for temperature range ° C		
Reagent	Concentration	20 ° C	40° C	60 ° C
Ammonium vinegar	All, watery	2	2	1
Butyl acetate	Technically pure	X		
Ethyl acetate	Technically pure	X	X	
Vinyl acetate	Technically pure	X		
Vinegar	Normal concentration	2		
Dimethyl ketone	Technically pure	X		
Acetic acid	Technically pure, glacial	1	X	X
Aqueous boric acid	All, watery	2	2	
Bromic acid	50%, watery	2		
Citric acid	10%, watery	2	2	1
Chloric acid	10%, watery	2		
	20%, watery	2		
Hydrochloric acid	10%, watery	2	2	1
	up to 30% watery	2	2	1
	36% watery	2	2	1
Chromic acid	up to 50% watery	2	2	
Hydrofluoric acid	50% watery	2		
	70% watery	2		
Fluorosilicic acid	32% watery	2		
Formic acid	Up to 50%	2	2	1
Aqueous phosphoric acid	50% watery	2		
	85% watery	2	2	1
Phthalic acid	Saturated, watery	2	1	
Glycolic acid	37% watery	2		
Lactic acid	10% watery	2	1	

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Chemical agents		Resistance index for temperature range ° C		
Reagent	Concentration	20 ° C	Reagent	Concentration
Maleic acid	Watery, saturated, cold	2		
Nitric acid	40% watery	2	2	1
	65% watery	1	1	
	100%	X		
Assalic acid	Cold, saturated, watery	2		
Perchloric acid	10% watery	2	2	1
	70% watery	1	X	
Hydrogen sulphide	Technically pure	2		
Sulphuric acid	Up to 40% watery	2	2	2
	Up to 60% watery	2	2	2
	Up to 80% watery	2	2	2
	90% watery	2	2	
	96% watery	2	2	1
Solphorous acid	Saturated, watery	2		
Stearic acid	Technically pure	2		
Tartaric acid	All, watery	2		
Trichloroacetic acid		2		
Turpentine	Normal concentration	2		
Benzyl alcohol	Technically pure	1		
Ethyl alcohol	96% technically pure	2	2	1
Methyl alcohol	All	2		
Acetic aldehyde	Technically pure	X		
Chromic alum	Aqueous, saturated, cold	2		
Ammonia	Technically pure, saturated, cold	2	2	2
Acetic anhydride	Technically pure	X		
Sulphur dioxide		X		
Aniline	Technically pure	X		
Antifreeze, liquid	Technically pure	2		
Petrol	Traces of lead and aromatic compounds	2	2	2
Potassium dichromate	Saturated, watery	2		
Borax (sodium tetraborate)	All, watery	2		
Liquid bromine	Technically pure	X		
Butadiene	Technically pure	2		
Butane, gaseous	Technically pure	2		
Cyclohexane	Technically pure	X		
Cyclohexanol	Technically pure	2		
Cyclohexanone	Technically pure	2		

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Chemical agents		Resistance index for temperature range ° C		
Reagent	Concentration	20 ° C	Reagent	Concentration
Chlorine	Wet, 97% gas	1		
Chlorobenzene	Technically pure	X		
Chloroform	Technically pure	X		
Ethylene chloride	Technically pure	X		
Methyl chloride	Technically pure	X		
Vinyl chloride	Technically pure	X		
Dichloroethylene	Technically pure	X		
Dimethylamine	Technically pure	1		
Dioxane	Technically pure	X		
Dioctylphthalate	Technically pure	X		
Elano	Technically pure	2		
Ethyl ether	Technically pure	X		
Etilbenzene	Technically pure	X		
Ethylenediamine	Technically pure	1		
Phenol	Up to 10% watery	2		
Dry fluorine	Technically pure	1		
Ammonium fluoride	50% watery	2		
Formaldehyde	40% watery	2		
Sodium phosphate	Aqueous, saturated, cold	2		
Phosgene	Technically pure, liquid	X		
Diesel		2		
Glycerine	Technically pure	2		
Hydrogen	Technically pure	2		
Ammonium hydroxide	Aqueous, saturated, cold	2		
Iodine (tincture)		X		
Sodium iodide	Watery	2		
Calcium hypochlorite	Watery	2		
Sodium hypochlorite	12.5% active chlorine, aqueous	2		
Isooctane	Technically pure	2		
Mercury	Pure	2		
Methane	Technically pure	2		
Methylethylketone	Technically pure	X		
Naphtha		2	1	
Naphthalene	Technically pure	X		
Ammonium nitrate	10% watery	2		
Sodium nitrate	Aqueous, saturated, cold	2		
Nitrotoluene	Technically pure	X		

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Chemical agents		Resistance index for temperature range ° C		
Reagent	Concentration	20 ° C	Reagent	Concentration
Oleum	10% of SO3	X		
Lubricating oils		2		
Olive oil		2		
Paraffin oil		2		
Silicone oil		2		
Sodium oxalate	Aqueous, saturated, cold	2		
Ethylene oxide	Technically pure	X		
Oxigen	Technically pure	2		2
Ozone	In the air up to 2%	2		
Perchloroethylene	Technically pure	X		
Potassium Permanganate	Aqueous, saturated, cold	2		
Hydrogen peroxideQ	30% watery	2	2	X
	90% watery	X		
Petroleum	Technically pure	2	2	2
Propane	Technically pure, liquid	2		
Sodium silicate	All, watery	2		
Caustic soda	50% watery	2	2	2
Ammonium sulphate	10% watery	2		
Tetrachloroethane	Technically pure	X		
Lead tetraethyl	Technically pure	2		
Tetrahydrofuran	Technically pure	X		
Toluene	Technically pure	X		
Trichloroethane	Technically pure	X		
Trichloroethylene	Technically pure	X		
Triethanolamine	Technically pure	1		
Urea	Up to 30% watery	2		
Vaseline	Technically pure	1		
Xylene	Technically pure	X		
Sulphur	Technically pure	1		

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