PLASTSHOP.SE

Komplett teknisk dokumentation

PlastShop.se - 2026-03-26

PP-H AlphaPlus 3000x1500x3 mm grå

Artikelnr	P2201047
Material	PP

1. Tekniskt datablad

Egenskap	Värde	Enhet	Standard
Density	**0.91**	g/cm³	ISO 1183
Tensile Strength	**36**	MPa	ISO 527
Modulus of elasticity (tensile)	**1700**	MPa	ISO 527-2
Breakdown Voltage	**30**	MPa	ISO 527
Break Elongation	**8**	%	ISO 527-2
Melting point	**161**	°C	DIN EN ISO 11357
Maximal operating temperature (short-term)	**127**	°C	UL746B
Maximum Operating Temperature	**80**	°C	
Minimum temperature	**-7**	°C	
Heat deflection temperature (HDT/A)	**54**	°C	ISO 75
Heat deflection temperature (HDT/B)	**90**	°C	ISO 75
Vicat softening temperature (VST/B/50)	**50**	°C	ISO 306
Dielectric Strength	**40**	kV/mm	IEC 60243-1
Volume Resistivity	**10^{14}**	Ω	DIN EN 62631-3-1
Dielectric Constant (1 MHz)	**2.4**	-	IEC 60250
Dielectric loss factor (1 MHz)	**13.4**	-	IEC 60250
Dielectric loss factor (100 Hz)	**0.0**	-	IEC 60250
Flammability Classification (UL 94)	**60695**		UL 94
Flexural Strength	**37**	MPa	DIN EN ISO 527-2
Thermal Conductivity	**0.27**	W/(m·K)	ISO 22007-4
Surface Resistivity	**10^{13}**	Ω	IEC 60093
Comparative Tracking Index (CTI)	**600**	V	IEC 60112
Water absorption to saturation	**0.2**	%	ISO 62
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Notched impact strength (Charpy)	**9**	kJ/m²	ISO 179/1eA

Egenskap	Värde	Enhet	Standard
Impact Resistance (Charpy)	**7.7**	kJ/m²	ISO 179
Thermal Expansion Coefficient	**1.6**	10^{-4}/K	ISO 11359-2
Hardness Shore D	**72**	° Shore D	ISO 868
Ball pressure hardness	**110**	MPa	ISO 2039

2. Kemisk beständighet

🟢 Beständig 🟡 Delvis beständig 🔴 Ej beständig

Kemikalie	Konc.	Resultat
1,4-Dioxane	100	🟡
2-Hydroxypropionic acid (lactic acid)	90	🟢
Acetic acid	100	🟢
Acetone	100	🟢
Ammonia	-	🟢
Ammonium chloride	-	🟢
Amyl alcohol	-	🟢
Benzene	-	🟡
Bleaching solution	-	🟡
Boric acid	100	🟢
Brake fluid	-	🟢
Butyl acetate	-	🟡
Calcium chloride	-	🟢
Carbon disulphide	100	🟡
Carbon tetrachloride	-	🔴
Chlorine (gas)	100	🔴
Chlorobenzene	100	🟢
Chloroform	-	🟡
Citric acid	10	🟢
Cresol	-	🟢
Cyclohexanone	100	🟢
Cyclohexene	100	🟢
Diesel	-	🟢
Diethylene oxide	-	🟡
Ethyl acetate	100	🟢
Ethyl alcohol (ethanol)	96	🟢

Kemikalie	Konc.	Resultat
Ethylene chloride	100	🟢
Food oil	-	🟢
Formaldehyde, aqueous	40	🟢
Formic acid	10	🟢
Frost protection agent	-	🟢
Fuel oil	-	🟢
Fuel, aromatic free	-	🟢
Glycerine	100	🟢
Glycol	100	🟢
Heptane	100	🟡
Hydrochloric acid	10	🟢
Hydrochloric acid (concentrated)	-	🟢
Hydrofluoric acid	40	🟢
Hydrogen peroxide	10	🟢
Hydrogen sulfide, aqueous	-	🟢
Isopropyl alcohol	100	🟢
Linseed oil	-	🟢
Mercurochrome	-	🟢
Methyl alcohol (methanol)	100	🟢
Methyl ethyl ketone (MEK)	100	🟢
Methylene chloride	100	🟡
Milk	-	🟢
Mineral oils (aromatic free)	-	🟢
Nitric acid	50	🔴
Nitric acid	10	🟢
Nitrobenzene	-	🟢
Oxalic acid	-	🟢
Ozone (gas)	≤ 0.5 ppm	🔴
Paraffin oil	100	🟢
Perchloroethylene	-	🟡
Petroleum ether	100	🟢
Phenol, aqueous	ca. 9	🟢
Phosphoric acid	50	🟢
Potassium hydroxide solution	50	🟢
Premium fuel	-	🟢

Kemikalie	Konc.	Resultat
Propyl alcohol	-	🟢
Pyridine	-	🟢
Silicone oil	-	🟢
Sodium carbonate, aqueous	-	🟢
Sodium chloride, aqueous	-	🟢
Sodium hydrogen sulfite	-	🟢
Sodium hydroxide solution (caustic soda)	15	🟢
Sodium hydroxide solution (caustic soda)	60	🟢
Sodium nitrate, aqueous	-	🟢
Sodium thiosulfate	-	🟢
Sulphuric acid	96	🟡
Tetrahydrofuran (THF)	100	🟡
Toluene	100	🟢
Transformer oil	-	🟢
Trichloroethylene	100	🟡
Vinegar, standard	5 - 10	🟢
Water	-	🟢
Xylene	-	🔴