ABS-PC

ABS-PC is a thermoplastic blend of ABS and polycarbonate. It offers a combination of impact resistance, heat resistance, chemical resistance, and dimensional stability. Commonly used in automotive, electronics, and consumer goods, ABS-PC is ideal for applications that require durability, toughness, and good aesthetics.

Chemical Description

Description	Value
Chemical	Polycarbonate+Acrylonitrile Butadiene Styrene
RoHS	RoSH Compliant

Physical Properties

Property	Maximum Unless Range is Specified
Density,g/cm3	1.13
Water Absorption, Saturation,73°F	0.7%
Coefficient of Linear Thermal Expansion, x10-5 in./in./°F	4.7
Heat Deflection Temp,°F at 263psi	216
Vicat Softening Temp ,°F	244
Thermal Conductivity,BTU-in/ft²-hr-°F	1.2
Flammability Rating,UL94	HB
Electric Strength,V/mil	890
Surface Resistivity,ohms	1.0E+16

Mechanical Properties

Property	Maximum Unless Range is Specified
Tensile Stress at Break,ksi	6.82
Tensile Modulus,ksi	341
Flexural Stress,ksi	12.2
Flexural Modulus,ksi	341
Tensile Strain at Break	>50%
Hardness, Rockwell R	106
Notched Izod Impact Strength,ft-lb/in²	23

The material properties in this datasheet are provided by one of the manufacturers collaborating with Naxtry. Please note that material properties may slightly vary among different manufacturers. Naxtry can accommodate customer requests for specific materials or brands.