



TECHNICAL DATA SHEET

Compound :

ABS

Acrylonitrile-butadiene-styrene

ORIGINAL PROPERTIES : Analysis on supplier laboratory compound

General Description

The acrylonitrile-butadiene-styrene (ABS) is an amorphous polymer produced by emulsion polymerization or by mass of acrylonitrile and styrene in the presence of polybutadiene. It 's a material mainly used in automotive components, ducts for electrical and electronic assemblies.

Available

All kind

Physical-mechanical
characteristics

*Excellent aesthetic characteristics obtainable on any surface and color, even under the low strain.
Dimensional stability (amorphous, low shrinkage, low absorption H₂O)
Mechanically it is strong even at low temperatures and remarkably resistant to shock and scratch
Good in soundproofing as a result of a high mechanical damping
High surface and volume electrical resistance with very low electrostatic charge
Fair chemical resistance even amorphous
Not resistant to concentrated mineral acids, aromatic hydrocarbons (benzene) and chlorinated hydrocarbons, esters, ethers, ketones, alcohol*