

Nylon Zy-01 Material Properties Data Sheet

Product Description:

PA(Polyamide), commonly known as nylon, has many varieties, production, and applications. Nylon has high mechanical strength, high softening point, heat resistance, low coefficient of friction, wear resistant.

Technical Parameters:

Project	Unit	Index	ASTM Method
Relative Density	g/cm ³	1.14	ASTM D792, @23/23°C
Water Absorption,24hr	%	2.8	ASTM D570
Flammability	Class	HB	UL94
Tensile Strength at yield	Mpa	90	ISO527-2
Tensile Strength at break	Mpa	87	
Elongation at break	%	40	
Friction- coefficient		0.35	DIN53375
Durometer Hardness	Shore D	86	ASTM D2240

Product Characteristics:

1. free coloring, toughness, abrasion resistance, good self-lubrication..
2. Low-temperature resistant, resistant bacteria, can slow burn, slow-out from the fire

Application Fields:

bearings, gears, cams, rollers, pulleys, screws, nuts, gaskets, high pressure pipeline, storage containers, handle, shell, supporting frames and so on.