This material provides an optimum combination of mechanical strength, wear, rigidity and toughness. This, together with the fact that a good electrical insulator and have a good chemical resistance. This is a universal material for the manufacture of mechanical elements, and for industrial maintenance. Its main features are high mechanical strength, stiffness, hardness and toughness. Good impact resilience (resistance), good fatigue resistance, good sliding properties.

FEATURES	MÉTHOD	P.6/Nylon	UNIT
DENSITY	DIN 53479	1,41	gr/cm^3
MOISTURE ABSORPTION	50% HR 100% HR	2,7 9	%
MELTING POINT	ASTM D789	7,20	°C
THERMAL CONDUCTIVITY	DIN 52612	0,28	W/Km
THERMAL EXPANSION COEFFICIENT 20 ° C TO 50 ° C		85.10-6	m/m K
MAX TEMPERATURE. USE	NORMAL PUNTAS	90 150	°C
TEMPERATURA MÍNIMA DE UTILIZACIÓN		-40	°C
MINIMUM TEMPERATURE OF USE	DIN 53455	70	$N/m/m^2$
ELASTIC MODULUS	DIN 53457	2.850	$N/m/m^2$
BREAKING EXTENSION	DIN 53455	>50	%
IMPACT RESISTANCE	DIN 53453	3,8	Kj/m^2
BALL HARDNESS	DIN 53456	136	$N/m/m^2$
SHORE HARDNESS	DIN 53505	D 75	
ROCKWELL HARDNESS	ASTM D785	M 82	
TRANSVERSE STIFFNESS	DIN 53482	5.10 e 12	Ohm/cm

COEFFICIENT OF FRICTION	0,1 – 0,3 μ