

Flexible Nylon for Tubing Applications

Item	Unit	PA1212C-01	A4TR01	A4TR03	A4TR04
Charpy Notch Impact	KJ/m2	25JNB	25JNB	25JNB	25JNB
Charpy Non-Notch Impact	KJ/m2	25JNB	25JNB	25JNB	25JNB
Tensile Strength	Mpa	58	48	54	46
Elongation At Break	%	307	244	263	225
Flexural Strength	Mpa	12	13	19	16
Flexural Modulus, MPa	Mpa	245	272	444	391
Melt Flow Rate g/10min	g/10 min	2.9	2.2	2.7	3.6
Plasticizer Content	%	11 -12	11 -12	5 - 6	6 - 7
Flexibility		Flexible	Flexible	Semi -flexible	Semi-flexible

Flexible nylon grades exhibit excellent toughness, low temperature properties, resistance to wear, low water absorption, low forming shrinkage, and good forming processability. Primary applications are automotive hose, oil pipe line, air conditioning hose, etc.

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