

Nylon PA 1212

Property	Unit	PA 1212	PA1212BR-III	PA1212CR-III
Intrinsic Visc	ml/g		>160	>160
Viscosity Number	g/ml			
Tensile Strength	Mpa	>50	55	55
Elongation At Break	%	>250	250	200
Charpy Notch Impact	KJ/m ²	>30	46	
Bending Strength	Mpa	>45		
Charpy Non-Notch Impact	KJ/m ²	25J No break	25JNB (>50)	(>50)
Flexural Strength	MPa		49	
Flexural Modulus	MPa	>700	1100	1200
Melt Flow Rate	g/10min		3.8	
Moisture Content	%			0.07
Sp Gravity			1.035	1.045
Melting Pt	C		193	188
Heat Distortion (0.45 Mpa)	C	>140		

PA 1212 nylon has the lowest water absorption among nylons, good dimensional stability and oil resistance. Resistance to alkali, non-toxic, and good toughness at low temperature. Can be used for extruding, injection molding, blow molding, and powder coating applications. Good substitute for Nylon 11 and Nylon 12.

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