

ColorFast® PA11

Americhem - Polyamide 11

General Information

Product Description

PA11 is a biobased nylon 11 with low moisture absorption and good chemical resistance. It is suitable for wide range of applications.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Excellent Colorability		
Uses	• Closures • Consumer Applications • Engineering Parts	• Household Goods • Housings • Industrial Applications	• Industrial Parts • Outdoor Applications
Forms	• Pellets		
Processing Method	• Injection Molding		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.03		ASTM D792
Molding Shrinkage - Flow (0.125 in)	4.0E-3 to 0.018	in/in	ASTM D955
Water Absorption (24 hr)	0.40	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	181000	psi	ASTM D638
Tensile Strength ² (Yield)	5900	psi	ASTM D638
Tensile Elongation ² (Yield)	5.0	%	ASTM D638
Tensile Elongation (Break)	> 50	%	ASTM D638
Flexural Modulus ²	165000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	1.9	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	130	°F	ASTM D648

Notes

¹ Typical properties: these are not to be construed as specifications.

² 2.0 in/min

