

Rilsan® AMNO

Polyamide 12

Arkema



Prospector

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America • South America
Features	• Medium Viscosity		
Appearance	• Natural Color		
Forms	• Pellets	• Powder	
Processing Method	• Injection Molding		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.01	g/cm³	ASTM D792
Water Absorption			ASTM D570
24 hr	0.30	%	
Saturation	0.70	%	

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	65.5	MPa	ASTM D638
Tensile Elongation (Break)	400	%	ASTM D638
Flexural Modulus	1100	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°C	32.0	J/m	
23°C	32.0	J/m	

Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	106		ASTM D785

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
1.8 MPa, Unannealed	50.0	°C	
Melting Temperature	174	°C	

Injection	Nominal Value	Unit
Drying Temperature	65.6 to 79.4	°C
Drying Time	3.0 to 4.0	hr
Suggested Max Regrind	20	%
Rear Temperature	199	°C
Middle Temperature	210	°C
Front Temperature	221	°C
Nozzle Temperature	221	°C
Mold Temperature	26.7 to 65.6	°C
Injection Pressure	34.5 to 68.9	MPa
Screw L/D Ratio	20.0:1.0	

Notes

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