

Rilsamid® AMNO resin is a natural polyamide 12. This grade is designed for injection moulding.

MAIN CHARACTERISTICS

PROPERTIES	DRY / COND	UNIT	TEST STANDARD
Melt volume-flow rate, MVR	57 / *	cm ³ /10min	ISO 1133
Temperature	455 / *	°F	-
Load	4.76 / *	lb	-
Tensile Modulus	- / 160000	psi	ISO 527-1/-2
Yield stress	- / 5370	psi	ISO 527-1/-2
Yield strain	- / 8	%	ISO 527-1/-2
Nominal strain at break	- / >50	%	ISO 527-1/-2
Charpy impact strength, +23°C	- / N	ftlb/in ²	ISO 179/1eU
Charpy impact strength, -30°C	- / N	ftlb/in ²	ISO 179/1eU
Charpy notched impact strength, +23°C	- / 2.38	ftlb/in ²	ISO 179/1eA
Charpy notched impact strength, -30°C	- / 2.85	ftlb/in ²	ISO 179/1eA
Melting temperature, 10°C/min	356 / *	°F	ISO 11357-1/-3
Density	1.01 / -	g/cm ³	ISO 1183
Injection Molding, melt temperature	410	°F	ISO 294
Injection Molding, mold temperature	86	°F	ISO 10724
Shore D hardness, 15s	69 / *	-	ISO 7619-1

Processing

Injection Molding

Delivery form

Pellets

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa

Please consult Arkema's disclaimer regarding the use of Arkema's products on <https://www.arkema.com/en/products/product-safety/disclaimer/index.html>

Rilsamid® is a registered trademark of Arkema
© 2019 Arkema Inc. All rights reserved.

rilsamid.com

RILSAMID®
BY ARKEMA

Arkema Inc. – Technical Polymers
900 First Avenue
King of Prussia, PA 19406
Tel.: +1 610 205 7000
Fax: +1 610 205 7497
arkema-america.com

Headquarters: Arkema France
420, rue d'Estienne d'Orves
92705 Colombes Cedex – France
Tel.: +33 1 49 00 80 80
Fax: +33 1 49 00 83 96
arkema.com