

## Arkema Group Rilsan® BESVO A FDA Nylon 11 (Conditioned)

Category : Polymer , Thermoplastic , Nylon , Nylon 11 , Nylon 11 , Unreinforced

### Material Notes:

Designation ISO 1874-PA11,E,22-010 Rigid grade for tubes and films extrusion in food applications. Available color: natural. Additive free. Good thermal and chemical resistance. Transparency. Barrier properties. Food contact approval FDA 21 CFR 175.1500 and EEC directive N 90/128. UL classification: UL94 HB; RTI(C) 65/65/65 Example applications: Sausage casing. ISO data provided by the manufacturer, Arkema.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Arkema-Group-Rilsan-BESVO-A-FDA-Nylon-11-Conditioned.php](http://www.lookpolymers.com/polymer_Arkema-Group-Rilsan-BESVO-A-FDA-Nylon-11-Conditioned.php)

Physical Properties	Metric	English	Comments
Density	1.03 g/cc	0.0372 lb/in <sup>3</sup>	
Melt Flow	5.7 g/10 min @Load 10.0 kg, Temperature 235 °C	5.7 g/10 min @Load 22.0 lb, Temperature 455 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	37.0 MPa	5370 psi	50 mm/min
Elongation at Break	>= 50 %	>= 50 %	Nominal Strain; 50 mm/min
Elongation at Yield	6.0 %	6.0 %	50 mm/min
Tensile Modulus	1.28 GPa	186 ksi	1 mm/min
Charpy Impact Unnotched	NB	NB	
	NB	NB	Low Temp
Charpy Impact, Notched	1.49 J/cm <sup>2</sup>	7.09 ft-lb/in <sup>2</sup>	
	1.32 J/cm <sup>2</sup> @Temperature -30.0 °C	6.28 ft-lb/in <sup>2</sup> @Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	85.0 µm/m-°C @Temperature 20.0 °C	47.2 µin/in-°F @Temperature 68.0 °F	
Melting Point	183 °C	361 °F	(Dry)
Deflection Temperature at 0.46 MPa (66 psi)	145 °C	293 °F	
Deflection Temperature at 1.8 MPa			

(264 psi) Thermal Properties	50.0 °C Metric	122 °F English	Comments
Vicat Softening Point	160 °C	320 °F	50°C/hr; 50N

Electrical Properties	Metric	English	Comments
Dielectric Strength	30.0 kV/mm	762 kV/in	

## Contact Songhan Plastic Technology Co.,Ltd.

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