

DSM Akulon® F126-C Nylon 6 (European Grade) (Dry)

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Unreinforced

Material Notes:

The Akulon® product portfolio is engineered for optimum performance to suit different processing techniques and end use markets. Akulon Nylon 6 is used for extrusion applications including barrier film, stock shapes, convoluted tubes, and monofilament. Akulon XP is a high-productivity, high-performance PA6 grade for film extrusion processes. Medium viscosity, unreinforced or reinforced Akulon grades are used for various injection molding and blow molding applications. Akulon® Ultraflow® is a high-productivity, high-performance PA6 family for molding processes. Key applications for Akulon: Automotive: Intake manifold, Engine, Powertrain, Airbag containers, Exterior trim, Interior trim, Electrical components and connectors Consumer durables: Power tools, Lawn and garden tools, Small appliances, Sports and leisure equipment, Furniture, Industrial Goods, Transportation E&E: Low voltage switch gear/power distribution, Lighting, Power connectors Film: Specialty and barrier films Information provided by DSM.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DSM-Akulon-F126-C-Nylon-6-European-Grade-Dry.php

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in ³	ISO 1183
Water Absorption	9.5 %	9.5 %	Sim. to ISO 62
Moisture Absorption at Equilibrium	2.5 %	2.5 %	Humidity Absorption; Sim. to ISO 62
Viscosity Test	165 cm ³ /g	165 cm ³ /g	Viscosity Number

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	90.0 μm/m-°C	50.0 μin/in-°F	ISO 11359-1/-2
	@Temperature 20.0 °C	@Temperature 68.0 °F	
CTE, linear, Transverse to Flow	100 μm/m-°C	55.6 μin/in-°F	ISO 11359-1/-2
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Melting Point	220 °C	428 °F	10°C/min; ISO 11357-1/-3

Descriptive Properties	Value	Comments
Coating	Yes	
Film Extrusion	Yes	
Lubricants	Yes	
RSV Formic Acid	2.6 g/100ml	ISO 307
Without Fillers	Yes	

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