

DuPont Selar® PA 3426 Nylon Barrier Resin

Category : Polymer , Thermoplastic , Nylon , Nylon, Barrier Film Copolymer

Material Notes:

Selar® PA 3426 is an amorphous nylon (polyamide) resin which exhibits superior transparency, good barrier properties to gases, water, solvents and essential oils and high temperature structural properties which make it suitable for consideration in a number of packaging applications. It can be processed on conventional extrusion and injection equipment designed to process nylon or polyolefin resins. It is available in the form of small, free flowing pellets in 25 kg (55 lb.) foil-lined bags or 750 kg. (1653 lb.) foil lined boxes. Information provided by DuPont Packaging Polymers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Selar-PA-3426-Nylon-Barrier-Resin.php

Physical Properties	Metric	English	Comments
Density	1.19 g/cc	0.0430 lb/in ³	ASTM D1505
Oxygen Transmission	0.470 cc-mm/m ² -24hr-atm	1.19 cc-mil/100 in ² -24hr-atm	40% RH, 23°C
Viscosity	200000 cP @Shear Rate 100 1/s, Temperature 300 °C	200000 cP @Shear Rate 100 1/s, Temperature 572 °F	

Mechanical Properties	Metric	English	Comments
Flexural Modulus	2.80 GPa	406 ksi	at 50% RH; ASTM D790

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	126 °C	259 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	123 °C	253 °F	ASTM D648
Glass Transition Temp, Tg	127 °C	261 °F	ASTM D3418

Processing Properties	Metric	English	Comments
Processing Temperature	280 - 320 °C	536 - 608 °F	Recommended for injection molding.

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