

DuPont Selar® PA 2072 Nylon Barrier Resin

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

Material Notes:

Selar® PA 2072 is an amorphous nylon (polyamide) resin which is specially designed for blending with ethylene vinyl alcohol (EVOH) copolymers. Selar® PA 2072 can be tumble-blended with most grades of EVOH to form blends which combine the excellent barrier properties of EVOH with the deep-draw thermoforming properties, processing flexibility and moisture-insensitivity of Selar® PA. In addition, Selar® PA 2072 provides better adhesion in blends with EVOH than other grades of amorphous nylon, and this may allow converters to use less expensive adhesives. Information provided by DuPont Packaging Polymers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Selar-PA-2072-Nylon-Barrier-Resin.php

Physical Properties	Metric	English	Comments
Density	1.19 g/cc	0.0430 lb/in ³	ASTM D1505

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	70.0 MPa	10200 psi	ASTM D882
Film Elongation at Break, MD	20 %	20 %	Orientation not specified; ASTM D882
Flexural Modulus	2.80 GPa	406 ksi	at 50% RH; ASTM D790

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	125 °C	257 °F	ASTM D3418

Optical Properties	Metric	English	Comments
Haze	<= 1.0 %	<= 1.0 %	ASTM D1003

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