

Dartek B-601

Polyamide 66

DuPont Canada, Inc. - Dartek Division

Message:

Dartek B-601 is a Polyamide 66 (Nylon 66) product. It can be processed by film extrusion, laminating, thermoforming, or vacuum forming and is available in North America. Applications of Dartek B-601 include packaging and film.

Characteristics include:

Chemical Resistant

Clarity

Heat Resistant

Low to No Odor/Taste

General Information			
Features	Grease Resistant		
	High Clarity		
	High Heat Resistance		
	Low Odor Transfer		
	Moisture Barrier		
Uses	Film		
	Food Packaging		
	Packaging		
Appearance	Clear/Transparent		
Forms	Film		
Processing Method	Film Extrusion		
	Laminating		
	Thermoforming		
	Vacuum Forming		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.15	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction (vs. Itself - Static)	0.45		ASTM D1894
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	25	µm	
Secant Modulus			ASTM D882
1% Secant, MD	689	MPa	
1% Secant, TD	689	MPa	
Tensile Strength			ASTM D882
MD : Yield	62.1	MPa	
TD : Yield	62.1	MPa	

Tensile Elongation			ASTM D882
MD : Break	300	%	
TD : Break	300	%	
Dart Drop Impact	600	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD	35	g	
TD	30	g	
Oxygen Permeability	0.20	cm ³ ·mm/m ² /atm/24 hr	ASTM D3985
Water Vapor Transmission	9.3	g/m ² /24 hr	ASTM E96
Optical	Nominal Value	Unit	Test Method
Haze	1.5	%	ASTM D1003

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