

# Dartek O-401

Polyamide 66

DuPont Canada, Inc. - Dartek Division

Message:

Dartek O-401 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 O-401 include packaging and film.

Characteristics include:

- Good Stiffness
- Good Tear Strength
- Good Toughness
- Heat Resistant

General Information			
Features	Good Stiffness		
	Good Tear Strength		
	Good Toughness		
	High Heat Resistance		
	Low Gas Permeability		
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	1.14	g/cm <sup>3</sup>	ASTM D792
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	15	µm	
Secant Modulus			ASTM D882
1% Secant, MD	2240	MPa	
1% Secant, TD	2240	MPa	
Tensile Strength			ASTM D882
MD : Yield	241	MPa	
TD : Yield	62.1	MPa	
Tensile Elongation			ASTM D882
MD : Break	50	%	

TD : Break	250	%	
Elmendorf Tear Strength			ASTM D1922
MD	45	g	
TD	75	g	
Oxygen Permeability	0.98	cm <sup>3</sup> ·mm/m <sup>2</sup> /atm/24 hr	ASTM D3985
Water Vapor Transmission	150	g/m <sup>2</sup> /24 hr	ASTM E96
Optical	Nominal Value	Unit	Test Method
Haze	1.0	%	ASTM D1003

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#### Recommended distributors for this material

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