

AZDEL™ U421-B01 (Transverse)

Polypropylene Alloy

Azdel, Inc.

Message:

AZDEL™U421-B01 (Transverse) is a polypropylene alloy (PP alloy) material. This product is available in North America.

General Information			
Appearance	Black		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Molding Shrinkage - Flow	0.10 - 0.30	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5310	MPa	ISO 527-2
Tensile Stress (Yield)	60.0	MPa	ISO 527-2
Tensile Strain (Break)	2.3	%	ISO 527-2
Flexural Modulus	4800	MPa	ISO 178
Flexural Stress	145	MPa	ISO 178
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	143	°C	ASTM D648
Flammability	Nominal Value	Unit	Test Method
Burning Rate	4.6	mm/min	ISO 3795

Additional Information			
Filler Content by Weight, Internal Test Method, Ashing: 42%Sheet Thickness, Internal Test Method: 3.9 mmBasis Weight, Internal Test Method, Mass per unit area: 4.7 kg/m²Multi-axial Impact, ASTM D3763 Test Method, 4mm, Max Load: 700kgSpecific Gravity, ASTM D792 Test Method, Laminate: 1.21 sp gr 23/23°CSpecific Gravity, ASTM D792 Test Method, Molded: 1.21 sp gr 23/23°CCoefficient of Thermal Expansion, ASTM E831 Test Method, -40 to 120°C (-40 to 250°F): 37 ppm/°CNotched Izod Impact Strength, ISO 180 Test Method, 23°C, 4.0mm: 720 J/mPoisson's Ratio, ISO 527 Test Method: 0.361			

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