

## BASF Ultramid® B36 LN 0.04 mm Cast Film Cold Chillroll

Category : Polymer , Film , Thermoplastic , Nylon

### Material Notes:

Product comes in 2-2.5 mm round pellets. Information provided by BASF

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_BASF-Ultramid-B36-LN-004-mm-Cast-Film-Cold-Chillroll.php](http://www.lookpolymers.com/polymer_BASF-Ultramid-B36-LN-004-mm-Cast-Film-Cold-Chillroll.php)

Physical Properties	Metric	English	Comments
Bulk Density	0.640 - 0.740 g/cc	0.0231 - 0.0267 lb/in <sup>3</sup>	
Density	1.12 - 1.15 g/cc	0.0405 - 0.0415 lb/in <sup>3</sup>	
Water Absorption	9.5 %	9.5 %	saturation in water 23°C
Moisture Absorption at Equilibrium	2.6 %	2.6 %	23°C/50% RH
Water Vapor Transmission	28.0 g/m <sup>2</sup> /day	1.80 g/100 in <sup>2</sup> /day	85% RH
Oxygen Transmission Rate	14.0 cc/m <sup>2</sup> /day	0.902 cc/100 in <sup>2</sup> /day	50% RH
Viscosity Measurement	3.49 - 3.71	3.49 - 3.71	(RV) 1% [m/v] in 96% [m/m] sulfuric acid; ISO 307
	210 - 226	210 - 226	(RV) 0.5% [m/v] in 96% [m/m] sulfuric acid; ISO 307

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	75.0 MPa	10900 psi	TD
	75.0 MPa	10900 psi	MD
Elongation at Break	380 %	380 %	MD
	400 %	400 %	TD
Tensile Modulus	0.650 GPa	94.3 ksi	MD
	0.700 GPa	102 ksi	TD

Thermal Properties	Metric	English	Comments
Specific Heat Capacity	1.50 J/g-°C	0.359 BTU/lb-°F	
Melting Point	220 °C	428 °F	
Decomposition Temperature	>= 300 °C	>= 572 °F	

Electrical Properties	Metric	English	Comments
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Electrical Properties	Metric <small>7.27E+14 ohm</small>	English <small>7.27E+14 ohm</small>	Comments
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Processing Properties	Metric	English	Comments
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Moisture Content	0.060 %	0.060 %	ISO 15512
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Descriptive Properties	Value	Comments
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Commercial Status	Europe	
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Extractables	<0.6 %	ISO 6427
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Ignition Temperature	>400°C	ASTM D1929
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Nucleating Agent	250 - 550 mg/kg	BASF
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## Contact Songhan Plastic Technology Co.,Ltd.

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