

**Product Texts**

Zytel® LCPA long chain polyamide resins provide an innovative and growing portfolio of flexible polymers with excellent thermal, chemical, and hydrolysis resistance. The diverse selection of Zytel® LCPA grades is targeted for a range of performance characteristics, balancing temperature resistance, flexibility and low permeation.

**Zytel® LC7601 BK010 is a flexible, toughened, plasticized black polyamide resin for extrusion. It has low moisture absorption, excellent chemical resistance and good heat resistance.**

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Molding shrinkage, parallel	2.1 / *	%	ISO 294-4, 2577
<sup>[C]</sup> Molding shrinkage, normal	1.3 / *	%	ISO 294-4, 2577
<sup>[C]</sup> Thermal conductivity of melt	0.17	W/(m K)	-
<sup>[C]</sup> Spec. heat capacity of melt	2700	J/(kg K)	-

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Tensile Modulus	500 / -	MPa	ISO 527
<sup>[C]</sup> Charpy impact strength, +23°C	N / -	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy impact strength, -30°C	N / -	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy notched impact strength, +23°C	115 / -	kJ/m <sup>2</sup>	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Melting temperature, 10°C/min	209 / *	°C	ISO 11357-1/-3
<sup>[C]</sup> Glass transition temperature, 10°C/min	50 / *	°C	ISO 11357-1/-2
<sup>[C]</sup> Temp. of deflection under load, 1.80 MPa	43 / *	°C	ISO 75-1/-2
<sup>[C]</sup> Temp. of deflection under load, 0.45 MPa	69 / *	°C	ISO 75-1/-2

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
<sup>[C]</sup> Humidity absorption	0.8 / *	%	Sim. to ISO 62
<sup>[C]</sup> Density	1030 / -	kg/m <sup>3</sup>	ISO 1183

[C]: CAMPUS

**Characteristics****Processing**

Film Extrusion, Profile Extrusion, Sheet Extrusion, Other Extrusion, Coating, Casting

**Delivery form**

Pellets, Black

**Additives**

Plasticizer

**Special Characteristics**

Light stabilized or stable to light, Heat stabilized or stable to heat

**Chemical Resistance**

General Chemical Resistance, Hydrolytically Stable

**Regional Availability**

North America, Europe, Asia Pacific, South and Central America