

# CAMPUS® Datasheet



Zytel® 157HSL BK010 - PA612  
DuPont Engineering Polymers

## Product Texts

DuPont™ 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® 157HSL BK010 is a heat stabilized, weatherable, lubricated polyamide 612 resin that is suitable for molding and extrusion applications.**

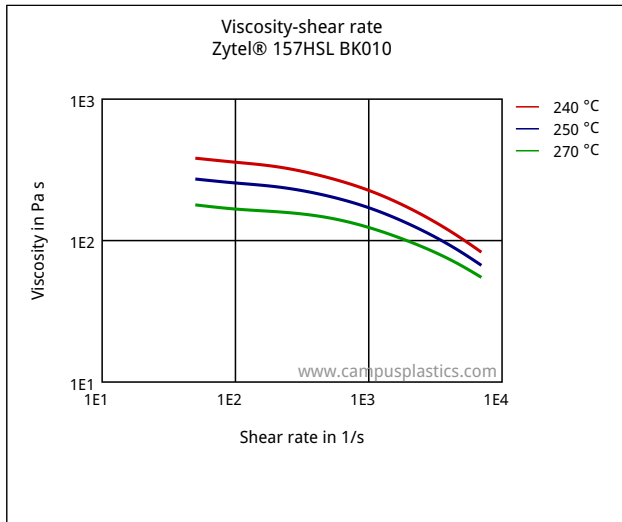
<b>Rheological properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
Molding shrinkage, parallel	1.3 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	1.4 / *	%	ISO 294-4, 2577
<b>Mechanical properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
Tensile modulus	2500 / 1500	MPa	ISO 527-1/-2
Yield stress	65 / 53	MPa	ISO 527-1/-2
Yield strain	4.4 / 18	%	ISO 527-1/-2
Nominal strain at break	22 / >50	%	ISO 527-1/-2
Charpy impact strength, +23°C	N / N	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	4 / 7	kJ/m <sup>2</sup>	ISO 179/1eA
<b>Thermal properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
Melting temperature, 10°C/min	218 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	62 / *	°C	ISO 75-1/-2
Burning Behav. at 1.5 mm nom. thickn.	HB / *	class	IEC 60695-11-10
Thickness tested (1.5)	1.5 / *	mm	IEC 60695-11-10
Yellow Card available	Yes / *	-	-
Burning Behav. at thickness h	HB / *	class	IEC 60695-11-10
Thickness tested (h)	0.9 / *	mm	IEC 60695-11-10
Yellow Card available	Yes / *	-	-
FMVSS	B	-	ISO 3795 (FMVSS 302)
<b>Other properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
Density	1070 / -	kg/m <sup>3</sup>	ISO 1183
<b>Material specific properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
Viscosity number	115 / *	cm <sup>3</sup> /g	ISO 307, 1157, 1628

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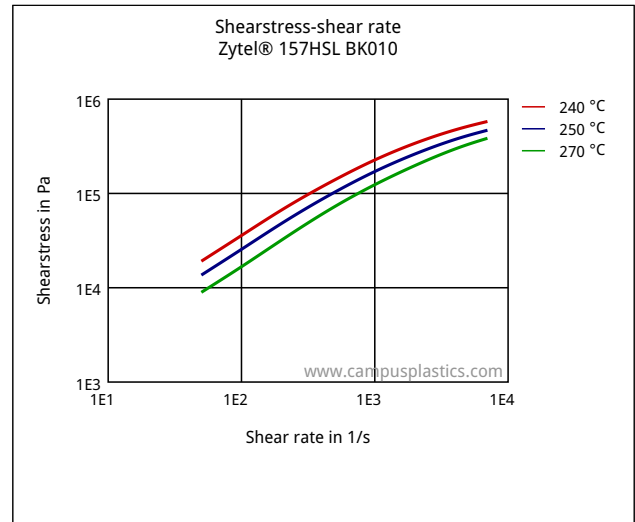
## DuPont Engineering Polymers

### Diagrams

#### Viscosity-shear rate



#### Shearstress-shear rate



### Characteristics

#### Processing

Injection Molding

#### Delivery form

Pellets

#### Additives

Release agent

All data provided according to ISO 10350 for single points and ISO 11403 for multipoints.

Contact DuPont for Material Safety Data Sheet, general guides and/or additional information about ventilation, handling, purging, drying, etc.

Test temperatures are 23°C unless otherwise stated.

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