

Product Texts

Orgalloy® LT 4060 ES BLACK T6L resin is a polyamide alloy especially designed for extrusion blow molding. This black grade offers an excellent thermal resistance, cold impact performance and flexibility.

Main applications:

- Automotive air intake ducts (clean air duct and outside intercooler tube)

Packaging:

This grade is delivered dried in sealed packaging (25kg bags) ready to be processed.

Shelf life:

Two years from the date of delivery. For any use above this limit, please refer to our technical services.

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
^[C] Melt volume-flow rate, MVR	0.5 / *	cm ³ /10min	ISO 1133
Temperature	235 / *	°C	-
Load	5 / *	kg	-

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	570 / 230	MPa	ISO 527
^[C] Stress at 50% strain	22 / 16	MPa	ISO 527
^[C] Strain at break	>50 / >50	%	ISO 527
^[C] Charpy notched impact strength, +23°C	79 / 78	kJ/m ²	ISO 179/1eA
^[C] Shore D hardness	50 / *	-	ISO 7619-1

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Melting temperature, 10°C/min	220 / *	°C	ISO 11357-1/-3
^[C] Temp. of deflection under load, 0.45 MPa	60 / *	°C	ISO 75-1/-2
^[C] Vicat softening temperature, B	62 / *	°C	ISO 306
^[C] Burning Behav. at 1.5 mm nom. thickn.	HB / *	class	IEC 60695-11-10
Thickness tested	1.6 / *	mm	-
^[C] Burning Behav. at thickness h	HB / *	class	IEC 60695-11-10
Thickness tested	3.2 / *	mm	-

[C]: CAMPUS

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Comparative tracking index	* / 600	-	IEC 60112

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Water absorption	5 / *	%	Sim. to ISO 62
^[C] Humidity absorption	1.1 / *	%	Sim. to ISO 62
^[C] Density	1040 / 1040	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics

Processing

Blow Molding

Delivery form

Pellets, Black

Special Characteristics

Light stabilized or stable to light, U.V. stabilized or stable to weather, Heat stabilized or stable to heat

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa

Other text information

Blow molding

Processing conditions:

- Drying time (only necessary for bags opened for more than two hours): 4-8 hours at 80°C
- Extrusion melt temperature (min-recommended-max): 250-260-270°C