

ORGALLOY® LT 4060 ES BLACK T6L

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 CHARACTERISTICS

PROPERTIES	DRY / COND	UNIT	TEST STANDARD
RHEOLOGICAL PROPERTIES			
Melt Volume-Flow Rate	0.5 / *	cm ³ /10min	ISO 1133
Temperature	235 / *	°C	-
Load	5 / *	kg	-
MECHANICAL PROPERTIES			
Tensile Modulus	570 / 230	MPa	ISO 527-1/-2
Stress at 50% Strain	22 / 16	MPa	ISO 527-1/-2
Strain at Break	> 50 / > 50	%	ISO 527-1/-2
Shore D Hardness, 15s	50 / *	-	ISO 7619-1
Charpy Impact Strength, +23°C	No Break / No Break	kJ/m ²	ISO 179/1eU
Charpy Notched Impact Strength, +23°C	79 / 78	kJ/m ²	ISO 179/1eA
THERMAL PROPERTIES			
Melting Temperature, 10°C/min	220 / *	°C	ISO 11357-1/-3
Temp. of Deflection Under Load, 0.45 MPa	60 / *	°C	ISO 75-1/-2
Vicat Softening Temperature, 50°C/h 50N	62 / *	°C	ISO 306
Burning Behav. at 1.5 mm Nominal Thickness	HB / *	class	IEC 60695-11-10
Thickness Tested	1.6 / *	mm	-
Burning Behav. at Thickness h	HB / *	class	IEC 60695-11-10
Thickness Tested	3.2 / *	mm	-
ELECTRICAL PROPERTIES			
Comparative Tracking Index	* / 600	-	IEC 60112
OTHER PROPERTIES			
Water Absorption	5 / *	%	Sim. to ISO 62
Humidity Absorption	1.1 / *	%	Sim. to ISO 62
Density	1040 / 1040	kg/m ³	ISO 1183

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.

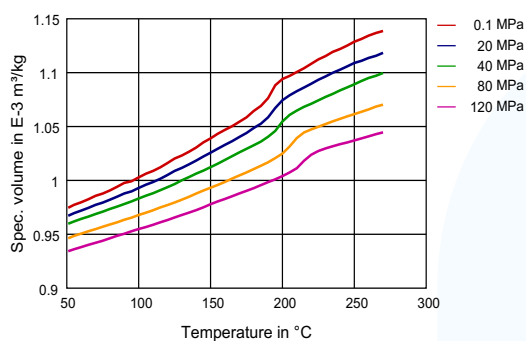
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DIAGRAMS

SPECIFIC VOLUME-TEMPERATURE (PVT)



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

PROCESSING

Blow Molding

DELIVERY FORM

Pellets

SPECIAL CHARACTERISTICS

Heat Stabilized, Light Stabilized

REGIONAL AVAILABILITY

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

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