

Orgalloy® LE 60LMXV

Polyamide 6 Alloy

Arkema

Message:

Orgalloy® LE 60LMXV is a Polyamide 6 Alloy (Nylon 6 Alloy) product. It can be processed by extrusion, injection molding, profile extrusion, or resin transfer molding and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.

Characteristics include:

- Heat Resistant
- Impact Resistant
- Plasticized

General Information	
Additive	Plasticizer
Features	Good Impact Resistance
	High Heat Resistance
	Platable
Forms	Pellets
Processing Method	Extrusion
	Injection Molding
	Profile Extrusion
	Resin Transfer Molding
Multi-Point Data	Shear Modulus vs. Temperature (ISO 11403-1)
	Viscosity vs. Shear Rate (ISO 11403-2)

Physical	Dry	Conditioned	Unit	Test Method
Density	1030	1030	kg/m ³	ISO 1183 ¹
Melt volume-flow rate (235°C/2.16 kg)	4.00	--	cm ³ /10min	ISO 1133 ²
Water Absorption				ISO 62 ³
Saturation	5.5	--	%	
Equilibrium	1.5	--	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile modulus	--	600	MPa	ISO 527-2 ⁴
Tensile Stress (Yield)	--	30.0	MPa	ISO 527-2 ⁵
Tensile Strain (Yield)	--	7.0	%	ISO 527-2 ⁶
Nominal strain at break	--	> 50	%	ISO 527-2 ⁷
Thermal	Dry	Conditioned	Unit	Test Method
Melting Temperature ⁸	220	--	°C	ISO 11357-3 ⁹
Electrical	Dry	Conditioned		Test Method
Comparative tracking index	--	600		IEC 60112 ¹⁰

Flammability	Dry	Conditioned	Test Method
Burning Behav. at 1.6mm nom. thickn. (1.60 mm)	HB	--	ISO 1210 ¹¹
Burning Behav. at thickness h (3.20 mm)	HB	--	ISO 1210 ¹²
NOTE			

1.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.		
2.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.		
3.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.		
4.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.		
5.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.		
6.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.		
7.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.		
8.	10 °C/min		
9.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.		
10.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.		
11.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.		
12.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.		

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