

Orgalloy® LE 60ES

Polyamide 6 Alloy

Arkema

Message:

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

Characteristics include:

Heat Resistant

Impact Resistant

General Information	
Features	Good Impact Resistance
	High Heat Resistance
	Platable
Forms	Pellets
Processing Method	Blow Molding
	Extrusion
	Film Extrusion
	Profile Extrusion
	Sheet Extrusion

Multi-Point Data	Isothermal Stress vs. Strain (ISO 11403-1)
	Secant Modulus vs. Strain (ISO 11403-1)

Physical	Dry	Conditioned	Unit	Test Method
Density	1040	1040	kg/m ³	ISO 1183 ¹
Melt volume-flow rate (235°C/5.0 kg)	0.500	--	cm ³ /10min	ISO 1133 ²
Water Absorption				ISO 62 ³
Saturation	6.4	--	%	
Equilibrium	1.8	--	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile modulus	--	1250	MPa	ISO 527-2 ⁴
Tensile Stress (Yield)	--	35.0	MPa	ISO 527-2 ⁵
Tensile Strain (Yield)	--	4.0	%	ISO 527-2 ⁶
Nominal strain at break	--	> 50	%	ISO 527-2 ⁷
Tensile Creep Modulus				ISO 899-1 ⁸
1 hr	--	1110	MPa	
1000 hr	--	520	MPa	
Thermal	Dry	Conditioned	Unit	Test Method

Vicat Softening Temperature (50°C/h, B (50N))	97.0	--	°C	ISO 306 ⁹
Melting Temperature ¹⁰	220	--	°C	ISO 11357-3 ¹¹
Electrical	Dry	Conditioned		Test Method
Comparative tracking index	--	600		IEC 60112 ¹²
Flammability	Dry	Conditioned		Test Method
Burning Behav. at 1.6mm nom. thickn. (1.60 mm)	HB	--		ISO 1210 ¹³
Burning Behav. at thickness h (3.20 mm)	HB	--		ISO 1210 ¹⁴
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.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.			
9.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.			
10.	10 °C/min			
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.			
13.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.			
14.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.			

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

