

# Orgalloy® LE 60XV

Polyamide 6 Alloy

Arkema

## Message:

Orgalloy® LE 60XV 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)		
Physical	Dry	Conditioned	Unit	Test Method
Density	1050	1050	kg/m <sup>3</sup>	ISO 1183 <sup>1</sup>
Melt volume-flow rate (235°C/2.16 kg)	3.50	--	cm <sup>3</sup> /10min	ISO 1133 <sup>2</sup>
Water Absorption				ISO 62 <sup>3</sup>
Saturation	5.5	--	%	
Equilibrium	1.5	--	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile modulus	--	800	MPa	ISO 527-2 <sup>4</sup>
Tensile Stress (Yield)	--	33.0	MPa	ISO 527-2 <sup>5</sup>
Tensile Strain (Yield)	--	7.0	%	ISO 527-2 <sup>6</sup>
Nominal strain at break	--	> 50	%	ISO 527-2 <sup>7</sup>
Thermal	Dry	Conditioned	Unit	Test Method
Melting Temperature <sup>8</sup>	220	--	°C	ISO 11357-3 <sup>9</sup>
Electrical	Dry	Conditioned		Test Method
Comparative tracking index	--	600		IEC 60112 <sup>10</sup>
Flammability	Dry	Conditioned		Test Method

Burning Behav. at 1.6mm nom. thicken. (1.60 mm)	HB	--	ISO 1210 <sup>11</sup>
Burning Behav. at thickness h (3.20 mm)	HB	--	ISO 1210 <sup>12</sup>
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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