

### FEATURES

- Excellent transparency
- Ultra high flow
- crystal clear
- Food contact
- Good surface appearance

### APPLICATIONS

- Cosmetic packaging
- Cosmetic jars
- Stationery
- Water containers
- Household appliances

Property, Test Condition	Standard	Unit	Values
<b>Rheological Properties</b>			
Melt Volume Rate 220 °C/10 kg	ISO 1133	cm <sup>3</sup> /10 min	60
<b>Mechanical Properties</b>			
Izod Notched Impact Strength, 23 °C	ISO 180/A	kJ/m <sup>2</sup>	1.8
Tensile Strain at Break, 23 °C	ISO 527	%	2.1
Tensile Modulus	ISO 527	MPa	3600
Flexural Strength, 23 °C	ISO 178	MPa	115
Flexural Modulus, 23 °C	ISO 178	MPa	3600
Hardness, Rockwell	ISO 2039-2	R scale	124
<b>Thermal Properties</b>			
Vicat Softening Temperature, B/2 (120 °C/h, 50N)	ASTM D 1525	°C	101
Heat Deflection Temperature A; (annealed 4 h/80 °C; 1.8 MPa)	ISO 75	°C	90
Heat Deflection Temperature B; (annealed 4 h/80 °C; 0.45 MPa)	ISO 75	°C	95
<b>Optical Properties</b>			
Light Transmission at 550 nm	ASTM D 1003	%	89 - 90
<b>Other Properties</b>			
Density	ISO 1183	kg/m <sup>3</sup>	1070
<b>Processing</b>			
Linear Mold Shrinkage	ISO 294-4	%	0.3 - 0.4

Typical values for uncolored products

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## SUPPLY FORM

Luran is delivered in the form of cylindrical and lenticular pellets. The bulk density of the pellets is from 0.55 to 0.65 g/cm<sup>3</sup>. Values may differ for special grades. Standard Packaging unit: 25 kg paper bag. In addition, delivery in larger units of up to 1000 kg (IBC = Intermediate Bulk Container) or silo trucks can be arranged. In dry areas with normal temperature control, Luran pellets can be stored for relatively long periods of time without any change in mechanical properties. With unstable colors, however, storage over a number of years can give rise to some change in color. Under poor storage conditions, Luran absorbs moisture, but this can be removed by drying.

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