

Ultraform® N2640 Z2 LEV2 AT
(POM+PUR)

BASF

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	8	cm³/10min	ISO 1133
Temperature	190	°C	-
Load	2.16	kg	-
Molding shrinkage, parallel	1.9	%	ISO 294-4, 2577
Molding shrinkage, normal	1.9	%	ISO 294-4, 2577

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	1980	MPa	ISO 527
Yield stress	51	MPa	ISO 527
Yield strain	13	%	ISO 527
Nominal strain at break	35	%	ISO 527
Notched Impact Strength (Charpy), +23°C	6.5	kJ/m²	ISO 179/1eA
Ball Indentation Hardness	105	MPa	ISO 2039-1

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Melting Temperature (10°C/min)	168	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	85	°C	ISO 75-1/-2
Coeff. of Linear Therm. Expansion, parallel	130	E-6/K	ISO 11359-1/-2
Burning Behav. at 1.5 mm Nom. Thickn.	HB	class	UL 94
Thickness tested	1.6	mm	-

Electrical Properties	Value	Unit	Test Standard
ISO Data			
Relative permittivity, 1MHz	4	-	IEC 62631-2-1
Dissipation Factor, 1MHz	140	E-4	IEC 62631-2-1
Volume Resistivity	1E10	Ohm*m	IEC 62631-3-1
Surface Resistivity	1E14	Ohm	IEC 62631-3-2
Electric Strength	85	kV/mm	IEC 60243-1
Comparative tracking index	600	-	IEC 60112

Other Properties	Value	Unit	Test Standard
ISO Data			
Water Absorption	1	%	Sim. to ISO 62
Humidity absorption	0.25	%	Sim. to ISO 62
Density	1380	kg/m³	ISO 1183
Bulk density	850	kg/m³	-

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Melt temperature	190 - 215	°C	-
Mold temperature	60 - 80	°C	-

Characteristics

Processing

Injection Molding

Features

Low Emission

Delivery form

Pellets

Applications

Automotive

Special Characteristics

Impact modified