

# Ultraform® (POM) -

BASE

## POM

### N2640 Z6 AT

#### Product information

Part Marking Code	POM-
Material Shape	Pellets
Process	Injection molding
FR	HB
Material Attribute	Impact modified Injection grade
Features	High impact * Impact modified * Low stiffness
Application	Automotive applications * Fasteners * Toy * Snap
Additives	Impact modifier

Mechanical behavior	Standard	Value	Unit
Elongation	ISO 527	17	%
Elongation	ISO 527	50	%
Tensile Strength	ISO 527	37	MPa
Tensile Modulus	ISO 527	1400	MPa
Charpy Un-notch Impact	ISO 179	NB	kJ/m <sup>2</sup>
Charpy Un-notch Impact	ISO 179	NB	kJ/m <sup>2</sup>
Charpy Notch Impact	ISO 179	9	kJ/m <sup>2</sup>
Charpy Notch Impact	ISO 179	18	kJ/m <sup>2</sup>
Thermal	Standard	Value	Unit
HDT	ISO 75	70	°C
Melting Temperature	ISO 3146	165	°C
CLE		1.4E-4	cm/cm/°C
Physical property	Standard	Value	Unit
Water Absorption	ISO 62	0.30	%
Water Absorption	ISO 62	1.1	%
Shrinkage	ISO 294	1.5	%
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Density	ISO 1183	1.33	g/cm <sup>3</sup>
Melt Index	ISO 1133	4.5	cm <sup>3</sup> /10min
Electrical properties	Standard	Value	Unit
CTI	IEC 60112	600	V
Dielectric Constant	IEC 60250	4.3	
Volume Resistivity	IEC 60093	1E9	Ω.m
Dielectric Strength	IEC 60243	85	KV/mm
Dissipation Factor	IEC 60250	0.025	

Surface Resistivity

IEC 60093

1E12

$\Omega$