

ISSUED: 04/05/2023

ISO 9001 CERTIFIED

**OLEXENE PP10 G40 CA** is a polypropylene homopolymer injection moulding grade with 40% glass fibre, chemically coupled and heat stabilized.

PROPERTIES	CONDITIONS	TEST METHOD	UNITS	VALUES
<b>PHYSICAL PROPERTIES</b>				
Density	23 °C	ISO 1183	g/cm <sup>3</sup>	1.21
<b>REOLOGICAL PROPERTIES</b>				
Melt Volume rate	230°C/2.16 kg	ISO 1133	cm <sup>3</sup> /10 min	6
Moulding Shrinkage	longitudinal transversal		%	0.15-0.35 0.25-0.45
<b>PROCESSING CONDITIONS</b>				
Pre-drying conditions	2-4h		°C	80-120
Melt temperature, injection moulding			°C	200-250
Mould temperature			°C	20-70
<b>MECHANICAL PROPERTIES</b>				
Tensile modulus	23 °C, 1 mm/min	ISO 527-1-2	MPa	10.000
Tensile strength	23 °C, 50 mm/min	ISO 527-1-2	MPa	110
Elongation at break	23 °C, 50 mm/min	ISO 527-1-2	%	3
Flexural modulus	23 °C, 2 mm/min	ISO 178	MPa	9.000
Flexural strength	23 °C, 2 mm/min	ISO 178	MPa	160
Charpy unnotched impact strength	23°C	ISO 179/1eU	kJ/m <sup>2</sup>	50
Charpy notched impact strength	23°C	ISO 179/1eA	kJ/m <sup>2</sup>	12
<b>THERMAL PROPERTIES</b>				
Melting temperature (DSC)	10°C/min	ISO 3146	°C	165
Heat Deflection Temperature (HDT)	1,8 MPa	ISO 75-1-2	°C	155
	0,45 MPa			160

## CHARACTERISTICS

OLEXENE PP10 G40 CA is distinguished by high mechanical stiffness, heat stability and easy processing.

## APPLICATIONS

OLEXENE PP10 G40 CA is used in a wide range of applications such as housings, fixing elements, injection moulded parts.

## FORMAT AND STORAGE

Typical formats are Big Bag, octabin, and 25kg bags.

The product should be stored in a dry place, protected from light not about 30°C.

## NOTE

All recommendations are based on knowledge and experience; The values have been established on standardized tests. The figures should be regarded as guide values and not as binding minimum values. As many factors may affect processing or applications, we recommend that customers make their own tests to determine the suitability of a product for its particular use.