

## Amcel KP25

### POM

#### Description

POM copolymer

Easy flowing type for injection molding

Physical Properties	Value	Unit	Test Standard
Density	1410	kg/m <sup>3</sup>	ISO 1183
Melt Volume Rate	12	cm <sup>3</sup> /10min	ISO 1133
MVR Test Temperature	190	°C	ISO 1133
MVR Test Load	2.16	kg	ISO 1133
Mechanical Properties	Value	Unit	Test Standard
Tensile Modulus (1mm/min)	2900	MPa	ISO 527-2/1A
Tensile Stress at yield (50mm/min)	65	MPa	ISO 527-2/1A
Tensile Strain at yield (50mm/min)	9	%	ISO 527-2/1A
Tensile Strain at yield (50mm/min)	25	%	ISO 527-2/1A
Charpy notched impact strength @ 23°C	6	kJ/m <sup>2</sup>	ISO 179/1eA
Ball indentation hardness, 30 sec value	143	N/mm <sup>2</sup>	ISO 2039, part 1; applied load 358 N
Thermal Properties	Value	Unit	Test Standard
Melting Temperature (10°C/min)	166	°C	ISO 11357-1,-2,-3
Vicat <small>VST/B/50</small>	151	°C	ISO 306

#### Disclaimer:

**NOTICE TO USERS:** Values shown are based on testing of laboratory test specimens and represent data that fall within the standard range of properties for precolored material. These values are not intended for use in establishing maximum, minimum, or ranges of values for specification purposes. Any determination of the suitability of this material for any use contemplated by the users and the manner of such use is the sole responsibility of the users, who must assure themselves that the material as subsequently processed meets the needs of their particular product or use.

To the best of our knowledge, the information contained in this publication is accurate; however, we do not assume any liability whatsoever for the accuracy and completeness of such information. It is the sole responsibility of the users to investigate whether any existing patents are infringed by the use of the materials mentioned in this publication.

Moreover, there is a need to reduce human exposure to many materials to the lowest practical limits in view of possible adverse effects. To the extent that any hazards may have been mentioned in this publication, we neither suggest nor guarantee that such hazards are the only ones that exist. We recommend that persons intended to rely on such recommendation or use any equipment, processing technique, or material mentioned in this publication should satisfy themselves that they can meet all applicable health and safety standards.

We strongly recommend that users seek and adhere to the manufacturer's or supplier's current instructions for handling each material they use. Please consult the nearest Celanese Sales Office, or call the telephone numbers listed for additional technical information. Call Customer Service for the appropriate Material Safety Data Sheets (MSDS) before attempting to process these products.

Product is not intended for use in medical or dental implants.