

## Amcel KP20

### POM

#### Description

POM copolymer

Medium flowing type for injection molding

Physical Properties	Value	Unit	Test Standard
Density	1410	kg/m <sup>3</sup>	ISO 1183
Melt Volume Rate	8	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)	2850	MPa	ISO 527-2/1A
Tensile Stress at yield (50mm/min)	64	MPa	ISO 527-2/1A
Tensile Strain at yield (50mm/min)	9	%	ISO 527-2/1A
Tensile Strain at yield (50mm/min)	30	%	ISO 527-2/1A
Charpy notched impact strength @ 23°C	6,5	kJ/m <sup>2</sup>	ISO 179/1eA
Ball indentation hardness, 30 sec value	144	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>	150	°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.

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