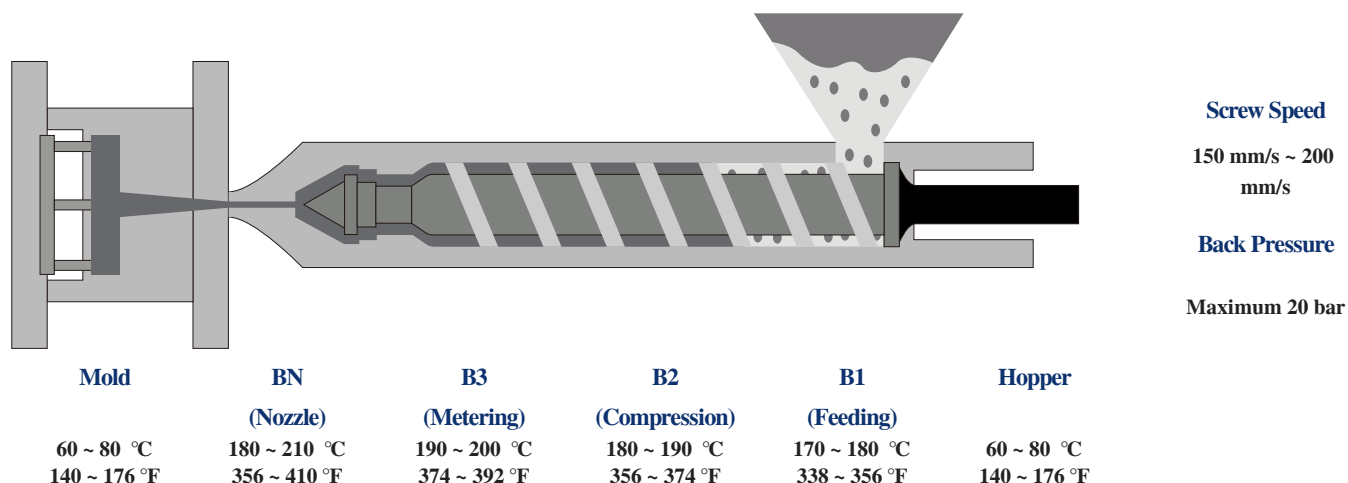


POM | KEPITAL ET-20S | Conductive and anti-static grade

- A conductive grade for general injection molding
- Suitable for applications requiring electrical conductivity

General information	Test Standard	Unit	Value
Polymer abbreviation	ISO 1043	-	POM-CD
Physical properties	Test Standard	Unit	Value
Water absorption(23 °C, 50 %RH)	ISO 62	%	-
Density	ISO 1183	g/cm ³	1.38
Melt flow rate	ISO 1133	g/10min	11.5
Thermal properties	Test Standard	Unit	Value
Melting point (10 °C/min)	ISO 11357	°C	165
Heat deflection temperature (1.8 MPa)	ISO 75	°C	88
Flammability	UL 94	-	HB
Coefficient of linear thermal expansion	ISO 11359	X 10 ⁻⁵ /°C	-
Mechanical properties	Test Standard	Unit	Value
Tensile stress	ISO 527	MPa	40
Tensile strain at yield	ISO 527	%	4.0
Nominal strain at break	ISO 527	%	12
Flexural strength	ISO 178	MPa	67
Flexural modulus	ISO 178	MPa	2,650
Charpy impact strength(Notched) @ 23°C	ISO 179/1eA	kJ/m ²	4.0
Electrical properties	Test Standard	Unit	Value
Surface resistivity	IEC 60093	Ω	1x10 ³
Volume resistivity	IEC 60093	Ω.cm	-
Dielectric strength	IEC 60243-1	kV/mm	-
Other	Test Standard	Unit	Value
Mold shrinkage (flow direction, t = 2 mm)	ISO 294-4	%	1.9

Injection molding condition



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Disclaimer

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