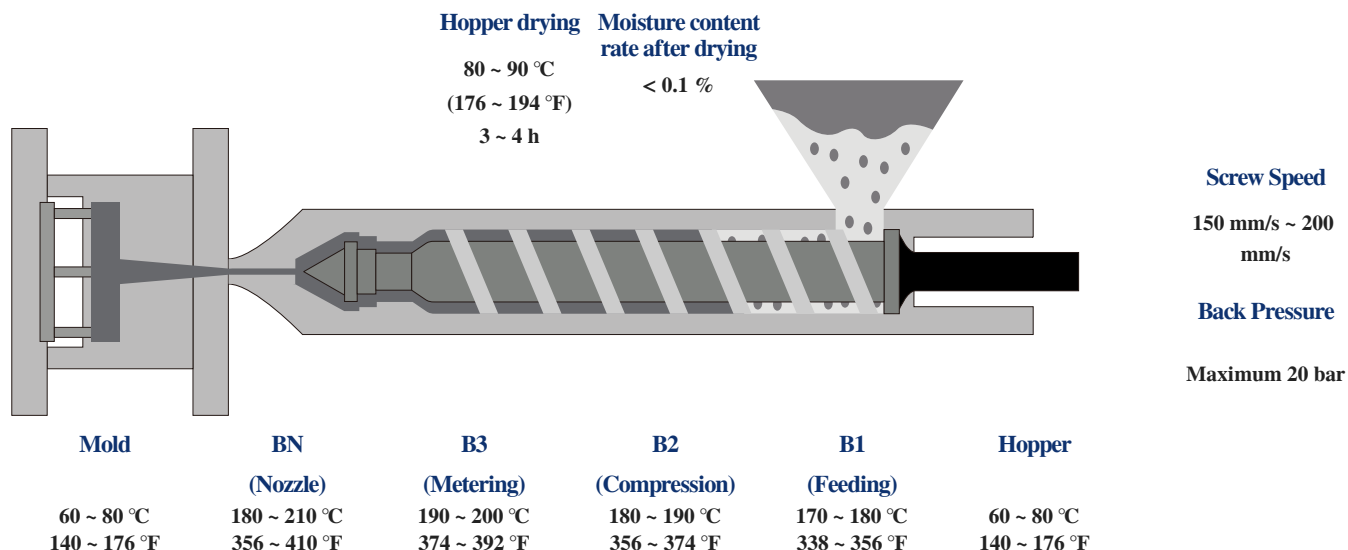


# POM | KEPITAL F20-03 | Standard grade

- A medium-viscosity grade for general injection molding

General information	Test Standard	Unit	Value
Polymer abbreviation	ISO 1043	-	POM
Physical properties	Test Standard	Unit	Value
Water absorption(23 °C, 50 %RH)	ISO 62	%	0.2
Density	ISO 1183	g/cm <sup>3</sup>	1.41
Melt flow rate	ISO 1133	g/10min	9.0
Thermal properties	Test Standard	Unit	Value
Heat deflection temperature (1.8 MPa)	ISO 75	°C	100
Flammability	UL 94	–	HB
Coefficient of linear thermal expansion	ISO 11359	X 10 <sup>-5</sup> /°C	12
Melting point	ISO 11357	°C	165
Mechanical properties	Test Standard	Unit	Value
Tensile modulus	ISO 527	MPa	2,750
Tensile stress	ISO 527	MPa	65
Tensile strain at yield	ISO 527	%	10
Nominal strain at break	ISO 527	%	32
Flexural strength	ISO 178	MPa	87
Flexural modulus	ISO 178	MPa	2,550
Charpy impact strength(Notched) @ 23°C	ISO 179/1eA	kJ/m <sup>2</sup>	6.5
Charpy impact strength(Notched) @ -30°C	ISO 179/1eA	kJ/m <sup>2</sup>	5.5
Electrical properties	Test Standard	Unit	Value
Surface resistivity	IEC 60093	Ω	1x10 <sup>16</sup>
Volume resistivity	IEC 60093	Ω·cm	1x10 <sup>14</sup>
Dielectric strength	IEC 60243-1	kV/mm	19
Other	Test Standard	Unit	Value
Mold shrinkage (flow direction, t = 2 mm)	ISO 294-4	%	2.0

## Injection molding condition



### Contact information

Headquarters : T Tower 10F, 30, Sowol-ro 2-gil, Jung-gu, Seoul, Republic of Korea (04637) / TEL: +82-2-6952-8377

KPAC China : Room T2-903C, No.2 building. SOHO Tianshan Plaza. No.1717 Tianshan Rd. Changning District. Shanghai. China /  
Tel +86 21 6237-1972, Telefax +86 21 6237-1803

Research Center : Wavetech B/D, 7F, 15, Iljik-ro 94gil, Anyang city, Republic of Korea (13901) / TEL: +82-31-436-1300

### Disclaimer

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