



## Technical Datasheet

<b>Material Type</b> PPO	<b>Grade Name</b> MPO 506 GF20 FR
<b>Features</b>	<ul style="list-style-type: none"> <li>• Flame retardant</li> <li>• Good dimensional stability</li> <li>• Good molding and processing performance</li> <li>• Good mechanical properties</li> </ul>
<b>Material Standard</b>	
<b>Availability</b>	Asian-Pacific
<b>Process Method</b>	Injection Molding
<b>Appearance</b>	Natural
<b>Applications</b>	Automobile Electrical/Electronic Applications

### General Properties

No.	Properties	Methods	Units	Values	Test Conditions
1	Density	ISO 1183-1	g/cm <sup>3</sup>	1.26	23
2	Melt index	ISO 1133	g/10min	11	280 5kg
3	Water absorption	ISO 62	%	0.11	23 /24h
4	Tensile Strength at Max Load	ISO 527-2	MPa	130	50mm/min
5	Elongation at Break	ISO 527-2	%	2.5	50mm/min
6	Flexural Strength	ISO 178	MPa	160	2mm/min
7	Flexural Modulus	ISO 178	MPa	6000	2mm/min
8	Notched Impact Strength	ISO 179-1	KJ/m <sup>2</sup>	12	23
9	Notched Impact Strength	ISO 179-1	KJ/m <sup>2</sup>	10	-30
10	Heat Deflection Temp	ISO 75-2		130	1.8Mpa,
11	Flammability	UL 94	Class	V0	1.6mm
12	Surface resistivity	IEC 60093	ohms	5.0E+16	23
13	CTI	IEC 60112	V	250	
14	Dielectric strength	IEC 60243-1	KV/mm	26	1.5mm

## Processing conditions

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Drying Cond	110 °C *3-6 h
Mixture Control	0.02%
Injection Temp	280-310 (F), 270-295 (M), 240-280 (B)
Mold Temp	80-120

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