PRET
普利特

Technical Datasheet

Material Type PPO	Grade Name MPPO 506 GF20 FR
Features	• Flame retardant • Good dimensional stability • Good molding and processing performance • Good mechanical properties
Material Standard	
Availability	Asian-Pacific
Process Method	Injection Molding
Appearance	Natural
Applications	Automobile Electrical/Electronic Applications

General Properties

No.	Properties	Methods	Units	Values	Test Conditions
1	Density	ISO 1183-1	g/cm^3	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^2	12	23
9	Notched Impact Strength	ISO 179-1	Kj/m^2	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

	Drying Cond.	110 *3-6 h
	Moisture Control	≤0.02%
	Injection Temp.	280-310 (F), 270-295 (M), 240-280 (B)
	Mold Temp.	80~120