PRES-660G

Feature:Ultra-high flow:80g/10 min Material grade:unfilled(Virgin)

Specifically designed for

Thin wall	Long flow path	Multi-cavity	Deep ribs	Micro-holes

Test Item	Test Method	Conditions	Units	Test Data
Mechanical Data				
Tensile Strength	ISO 527	Yield, 23℃	MPa	110
Tensile Elongation	ISO 527	Break, 23℃	%	25
Flexural Strength	ISO 178	Yield,23℃	MPa	175
Flexural Modulus	ISO 178	23℃	GPa	4.3
Compressive Strength	ISO 604	23℃	MPa	130
Charpy Impact Strength	ISO 179/1eA	Notched	kJ m^{-2}	4
	ISO 179/1U	Unnotched	kJ m^{-2}	-
Izod Impact Strength	ISO 180/A	Notched	kJ m^{-2}	5
	ISO 180/U	Unnotched	kJ m^{-2}	-
Mould Shrinkage	ISO 294-4	Along Flow	%	1
		Across Flow	%	1.3
Thermal Data				
Melting Point	ISO 11357	-	℃	343
Glass Transition (Tg)	ISO 11357	Onset	℃	143
Special Heat Capacity	DSC	23℃	kJ kg^{-1} $℃^{-1}$	2.2
Coefficient of Thermal Expansion	ISO 11359	Along flow below Tg	ppm K^{-1}	50
		Along flow above Tg	ppm K^{-1}	120
Heat Deflection Temperature	ISO 75	1.8 Mpa	℃	156
Thermal Conductivity	ISO 22007-4	23℃	W m^{-1} K^{-1}	0.29
Flow				
Melt Index	ISO 1133	380℃,5kg	g $10min^{-1}$	80

Miscellaneous

Density	ISO 1183	Crystalline	g cm^{-3}	1.3
		Amorphous	g cm^{-3}	1.26
Shore D Hardness	ISO 868	23℃		85
Water Absorption（3.2mm thick Tensile Bar）（by immersion）	ISO 62	24h, 23℃	%	0.07
		Equilibrium, 23℃	%	0.4

Electrical Data

Dielectric Strength	IEC 60243-1	2mm	kV mm^{-1}	23
Comparative Tracking Index	IEC 60112	-	V	150
Dielectric Constant	IEC 60250	23℃, 1kHz	-	3.2
		23℃,50Hz	-	-
Loss Tangent	IEC 60250	23℃, 1MHz	-	0.004
Volume Resistivity	IEC 60093	23℃,1V	Ω cm	10^{16}*
		275℃	Ω cm	10^{9}*