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General GPPS POLYREX® PG-383

Product Description: High heat, High strength, Extrusion

Properties	ISO Test Method	Test Condition	Unit	PG-383
Melt Flow Index	1133	200℃×5KG	ml/10 min	2.3
Mass Density	1183	23 ℃	g/cm³	1.05
Tensile Strength	527	50 mm/min, yield	MPa	-
		50 mm/min, break	MPa	52
Tensile Elongation	527	50 mm/min	%	6
Flexural Strength	178	2 mm/min	MPa	82
Flexural Modulus		2 mm/min	GPa	2.5
Izod Impact Strength	180/1A	23℃, Notched	KJ/m²	2
		-30℃, Notched	KJ/m²	1.8
Charpy Impact Strength	179	23 ℃ Notched	KJ/m²	3
		-30 ℃ Notched	KJ/m²	2.5
Vicat Softening Temp.	306	1 Kg,50 ℃/hr	℃	106
		5 Kg,50 ℃/hr	℃	103
Heat Distortion Temp.	75/A	1.8 MPa Unannealed	℃	85
		1.8 MPa Annealed	℃	99
Coefficient of Linear Thermal Expansion	11359	-	-	5~8x10-5
Flammability	-	UL-94	-	1.5mm HB
Mold Shrinkage	294-4	-	%	0.4~0.7
Symbol	1043	-	-	>PS<

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Notes：These are typical properties only and are not to be construed as specifications. Users should confirm results by their own test

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