

General GPPS POLYREX® Characteristics PG-383

Product Description: High heat, High strength, Extrusion

Properties	ISO Test Method	Test Condition	Unit	General PG-383
Melt Flow Index	1133	200°C×5KG	ml/10 min	2.5
Mass Density	1183	23 °C	g/cm ³	1.05
Tensile Strength	527	50 mm/min, yield	MPa	-
		50 mm/min, break	MPa	54
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 °C Notched	KJ/m ²	2
		-30 °C Notched	KJ/m ²	1.8
Charpy Impact Strength	179	23 °C Notched	KJ/m ²	3
		-30 °C Notched	KJ/m ²	2.5
Vicat Softening Temp.	306	1 Kg,50 °C/hr	°C	106
		5 Kg,50 °C/hr	°C	103
Heat Distortion Temp.	75/A	1.8 MPa Unannealed	°C	85
		1.8 MPa Annealed	°C	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 tests.

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