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Technical Literature A-02

AURUM[®] PI-PA

AURUM[®] PIPA exhibits a glass transition temperature of 258°C and has higher heat resistance than that of the standard AURUM[®] resins (glass transition temperature: 250°C).

AURUM[®] PI-PA shows better extrudability than that of the standard AURUM[®] resins and is suitable for the manufacture of stock shapes.

Because of its low rate of crystallization, AURUM[®] PI-PA is practically non-crystalline.

Table 1 Comparison of PI-PA and PL450C

Item	Unit	AURUM [®] PI-PA	AURUM [®] PL450C
General physical properties:			
Melting point	°C	380	388
Glass transition temperature	°C	258	250
MI value	400°C, 1.05kg	8	4.5-7.5
Rate of crystallization	t1/2min	100	10-15
Crystallization temperature	Tc °C	320	330
Mechanical properties:			
Tensile strength	MPa	95	92
Elongation	%	82	90
Flexural modulus	MPa	3030	2940
Molding conditions:			
Cylinder temperature	°C	380-420	390-420
Mold temperature	°C	180-200	180-200

The information contained herein is based on the information and data available at this moment, but none of the data or evaluation results contained herein provide any warranty whatsoever.