

Technical Datasheet

POLYREX G113

1) Product Description:

- ✓ Product: Engineering Polymer Alloy
- ✓ Color: Snow Whit

2) Application & Addition Rate:

- ✓ Injection Molding to replace conventional ABS: 100%

Note 1- Drying Condition: At 90 °C for 1 hr

Note 2- Injection Molding Temperature (°C): Hopper= 60 to 80, Barrel= 220 to 240, Nozzle= 240 to 250, Mold= 20 to 30

Note 3- Typical processing parameters are noted. Actual processing conditions are depend on machine size, mold design, material residence time, shot size, etc.

3) Advantages:

- ✓ High Impact Strength
- ✓ Raw Material Cost Saving
- ✓ Good Processability

4) Typical data:

PROPERTIES	TEST METHOD	UNIT	TYPICAL VALUE*
Melt Flow Rate (250°C/10 Kg)	ASTM D1238	g/10min	100
Density	ASTM D 792	g/cm ³	1.28
Mold Shrinkage	ASTM D 955	%	0.5 to 0.6
Moisture	ASTM D 644	%	Max 0.15
IZOD Impact Strength (at 23°C, Notched)	ASTM D 256	J/m	Min.500
Tensile Strength at Yield	ASTM D 638	MPa	Min.36
Elongation at Break	ASTM D 638	%	Min.300
Tensile Modulus	ASTM D 638	MPa	1800
Hardness R-Scale	ASTM D 785		71

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