TECHNICAL DATA SHEET
REV20211104

1100S

Polypropylene Homopolymer / High Melt Flow Ability

PRODUCT DESCRIPTION

1100S is a Polypropylene Homopolymer that may be used in a range of manufacturing processes such as injection molding with high melt flow ability.

TYPICAL APPLICATION

- Long path and complex parts
- Food containers
- Housewares
- Compounding

PRODUCT FEATURES

- Good stiffness
- Food contact safety
- High Productivity
- Odorless

COMPLIANCE

- FDA US 21 CFR 177.1520
- Commission Regulation (EU) No. 10/2011
- RoHS
- REACH
- HALAL

PHYSICAL PROPERTIES	TEST METHOD	UNIT	VALUE
Melt Flow Index (2.16 kg/230 °C)	ASTM D1238	g/10 min	30
Density	ASTM D792	g/cm^3	0.90
Tensile Strength at Yield	ASTM D638	MPa	36
Elongation at Yield	ASTM D638	%	9
Izod Notched Impact Strength (at 23 °C)	ASTM D256	J/m	27
Flexural Modulus (1% SECANT)	ASTM D790	MPa	1500
Rockwell Hardness	ASTM D785	R-Scale	107
Heat Distortion Temperature (0.45 MPa)	ASTM D648	°C	110

Remark: The values presented on the above are typical laboratory, not to be construed as specifications and may vary within moderate ranges. The applicability or the accuracy of this information or the suitable of our products cannot be guaranteed because the conditions of use on the part or our uses are beyond our control.

TECHNICAL DATA SHEET
REV20211104

1100S

Polypropylene Homopolymer / High Melt Flow Ability

PROCESSING TECHNIQUE

Cylinder Temperature: 190 - 240 ˚C
Mold Temperature : 40 - 60 ˚C
Injection Pressure : 30 - 80% of maximum pressure
Holding Pressure : Relative to injection pressure
Back Pressure : 0 - 20 of maximum pressure
Injection Speed : Low to medium of maximum speed
*However, the actual processing conditions depend on mold design, power of machine, equipment and other environments.

PRODUCT PACKAGING

- 25 kg loose bag
- 25 kg stretch wrap on palletized
- 750 kg jumbo bag

For further information, contact the IRPC's Sales representative.

STORAGE

Storage at ambient temperature preferably not higher than 38 ˚C (100 ˚F).
- Dry environment with the exclusion of contamination.
- Protection against direct sunlight, radiation and artificial light containing UV-Radiation.
- Protection from ozone-generating electrical devices.
- Under these optimal conditions, the physical properties of resins should remain stable with the exception of the yellowness index which is expected to increase over time.

More information provide in safety data sheet.

SAFETY

This product is not classified as hazardous material for more information please refer to safety data sheet.

RECYCLING

It is an undisputed fact that the product can be recycled or disposed of without any problem.