# MAJORIS FN050X

Polypropylene

AD majoris

## Message:

MAJORIS FN050X is a high performance polypropylene for injection moulding.
MAJORIS FN050X an unique balance of properties for high speed injection moulding allowing fast cycle due to high de-moulding temperature as well as reduced cooling time.
The product is available in black (MAJORIS FN050X - 8229) but other colours can be provided on request.
APPLICATIONS
Automotive parts
Packaging
Houseware
Containers and products with medium to long flow length

| General Information | | | |
|---|---|---|---|
| Features | Recyclable materials<br>Fast molding cycle | | |
| Uses | Packaging<br>Household goods<br>Application in Automobile Field<br>Container | | |
| Appearance | Black<br>Available colors | | |
| Forms | Particle | | |
| Processing Method | Injection molding | | |
| **Physical** | **Nominal Value** | **Unit** | **Test Method** |
| Density | 0.920 | g/cm³ | ISO 1183 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 20 | g/10 min | ISO 1133 |
| Molding Shrinkage | 1.0 - 2.0 | % | |
| **Hardness** | **Nominal Value** | **Unit** | **Test Method** |
| Rockwell Hardness | 112 | | ISO 2039-2 |
| **Mechanical** | **Nominal Value** | **Unit** | **Test Method** |
| Tensile Modulus | 2200 | MPa | ISO 527-2/1 |
| Tensile Stress (Yield) | 40.0 | MPa | ISO 527-2/50 |
| Tensile Strain (Yield) | 6.0 | % | ISO 527-2/50 |
| **Impact** | **Nominal Value** | **Unit** | **Test Method** |
| Charpy Notched Impact Strength (23°C) | 2.5 | kJ/m² | ISO 179/1eA |
| **Thermal** | **Nominal Value** | **Unit** | **Test Method** |

| | | | |
|---|---|---|---|
| Heat Deflection Temperature (0.45 MPa, Unannealed) | 122 | °C | ISO 75-2/B |
| Flammability | Nominal Value | | Test Method |
| Flame Rating | HB | | UL 94 |
| Injection | Nominal Value | Unit | |
| Processing (Melt) Temp | 220 - 260 | °C | |
| Mold Temperature | 15.0 - 60.0 | °C | |
| Injection Rate | Fast | | |
| Holding Pressure | 20.0 - 50.0 | MPa | |
| Injection instructions | | | |

Mold Temperature: 30 to 60°C for thin wall, 15 to 30°C for others



## Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China