

Technical Data Sheet

PP Regranulate

Product Code: 000104



Description

PP 000104 Black is recycled from discarded polypropylene buckets and other PP scrap. It is suitable for injection moulding applications and household appliance.

Features

| | |
|---------------------|--------------------------------|
| Good processability | Balanced mechanical properties |
|---------------------|--------------------------------|

| General Properties | Value | Unit | Test Standard |
|----------------------------------|-------|-------------------|---------------|
| Melt Flow Rate (230°C/2.16kg) | 15 | g/10min | ISO 1133 |
| Density | 0.94 | g/cm ³ | ISO 1183 |
| Tensile Strength (50mm/min) | 24 | MPa | ISO 527-2 |
| Tensile Strain at Break | 25 | % | ISO 527-2 |
| Flexural Strength | 30 | MPa | ISO 178 |
| Flexural Modulus | 1000 | MPa | ISO 178 |
| Izod Notched Impact Strength | 4.5 | kJ/m ² | ISO 180/A |

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Typical Processing Conditions

| Condition | Optimum Value | Range |
|---------------------------------------|--|-------------------------------------|
| Melt temperature | 190°C | 190-245°C |
| Barrel Zone Temperature | Rear: 200°C Center: 200°C Front: 180°C | 180-210°C 190-220°C 180-220°C |
| Mold temperature | 50°C | 30-60°C |
| Processing Temperature Upper Limit | 230°C | / |
| Injection Speed | Slow to Moderate | / |
| Back Pressure | 10KPa | / |
| Pre-dry Requirements | 90°C for 2h | / |

NOTICE:

All properties are current, typical data of the stated product. All statements, data and information given herein are believed to be accurate and reliable, but are presented without guarantee, warranty or responsibility of any kind, expressed or implied.