

TATREN® IM 25 75

Polypropylene Impact Copolymer

Slovnaft Petrochemicals, s.r.o.

Message:

TATREN IM 25 75 is controlled rheology impact copolymer of good fluidity, excellent impact resistance at room temperature, very good impact resistance at minus temperatures and improved stiffness. This grade contains nucleating and antistatic agent.

TATREN IM 25 75 is intended especially for injection moulding of heavy-duty products where very high impact resistance at room temperature combined with good stiffness is required. Typical end products are storage and transport containers, medical containers, crates and rigid boxes, luggage, pails, car parts and other technical and heavy-duty applications.

TATREN IM 25 75 is suitable for compounds intended for automotive industry as well as for other industrial sectors. The grade meets requirements for toys production.

TATREN IM 25 75 is suitable for food contact. The product complies with Food Contact Regulations.

| General Information | | | |
|---|-----------------------------------|----------|-------------|
| Additive | Antistatic | | |
| | Nucleating Agent | | |
| Features | Antistatic | | |
| | Food Contact Acceptable | | |
| | Good Flow | | |
| | Good Stiffness | | |
| | Impact Copolymer | | |
| | Low Temperature Impact Resistance | | |
| | Nucleated | | |
| | Ultra High Impact Resistance | | |
| Uses | Industrial Applications | | |
| | Luggage | | |
| | Medical/Healthcare Applications | | |
| | Pails | | |
| | Toys | | |
| | Valves/Valve Parts | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 25 | g/10 min | ISO 1133 |
| Hardness | Nominal Value | Unit | Test Method |
| Rockwell Hardness (R-Scale) | 55 | | ISO 2039-2 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus (Injection Molded) | 1250 | MPa | ISO 527-2 |
| Tensile Stress (Yield, Injection Molded) | 21.0 | MPa | ISO 527-2 |
| Tensile Strain (Yield, Injection Molded) | 6.5 | % | ISO 527-2 |

| | | | |
|--|---------------|-------------------|-------------|
| Flexural Modulus (Injection Molded) | 1150 | MPa | ISO 178 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact Strength | | | ISO 180/A |
| -20°C, Injection Molded | 6.5 | kJ/m ² | |
| 23°C, Injection Molded | 40 | kJ/m ² | |
| Thermal | Nominal Value | Unit | Test Method |
| Heat Deflection Temperature (0.45 MPa, Unannealed) | 92.0 | °C | ISO 75-2/B |
| Injection | Nominal Value | Unit | |
| Processing (Melt) Temp | 190 to 250 | °C | |

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