

TECHNICAL DATASHEET

POLYPROPYLENE TATREN IM 22 63

Impact copolymer for injection moulding

DESCRIPTION

TATREN IM 22 63 is a controlled rheology impact copolymer of good processing stability and medium fluidity. This grade contains nucleating and antistatic agent.

TATREN IM 22 63 is characterised by high stiffness and good impact resistance.

APPLICATIONS

TATREN IM 22 63 is intended especially for injection moulding of products where good impact resistance is required – different technical items, consumer goods, household articles, rigid packages etc. Typical end products are buckets for paints and coatings, storage and transport containers, crates, garden furniture, flower pots, toys etc.

Applications listed here are only a recommendation, not a guarantee. User is obliged to carry out own tests to assess suitability of the polymer for the intended application. This also includes the test of final articles necessary to assess compliance with relevant regulations, e.g. food contact. For more product safety related information, please see the DDS.

PRODUCT COMPLIANCE

See DDS.

PROPERTIES*

Parameter	Note	Test method	Unit	Typical value
MFR - Melt Mass-Flow Rate (230°C, 2.16 kg)	-	ISO 1133-1	g/10 min	22
Tensile Stress at Yield	2	ISO 527-1,2	MPa	23.5
Tensile Strain at Yield	2	ISO 527-1,2	%	5.5
Flexural Modulus	2	ISO 178	MPa	1300
Izod Impact Strength (notched, 23°C)	2	ISO 180/A	kJ/m ²	10
Izod Impact Strength (notched, -20°C)	2	ISO 180/A	kJ/m ²	5
HDT (0.45 MPa, flatwise)	2	ISO 75-1,2	°C	84
Recommended Processing Temperature	-	-	°C	190 - 250

*Typical properties, not to be used as specification.

(2) Typical properties measured on standard injection moulded test specimen according to ISO 294-1.

PROCESSING

TATREN IM 22 63 can be processed on standard injection moulding machines.

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STORAGE AND HANDLING

Pellets are packed in 25 kg polyethylene bags and transported on shrink-wrapped or stretch-wrapped pallets at eligible load of polymer 1375 kg. Heat treated pallets are provided by PRS, a member of the Faber Halbertma Group, operating a pooling system which collects the pallets after use, and organizes reuse as part of a sustainable, circular system. PRS pallets remain property of PRS at all times. Transportation in road silo or rail silo is also available. For more detailed information please contact a sales representative at SLOVNAFT or at MOL Petrochemicals.

Since polypropylene is a combustible substance, the fire safety rules applicable for combustible materials in warehouses and store rooms should be observed.

If polymer is stored in conditions of high humidity and fluctuating temperatures, then atmospheric moisture can condense inside the packing. If it happened, it is recommended the pellets to be dried before use. During the storage polypropylene should not be exposed to UV radiation and temperatures above 40°C. Producer does not take responsibility for any damages caused by adverse storage.

REACH STATEMENT

Polymers are exempt of REACH registration. However, their raw materials which mean monomers and relevant additives have been registered. SLOVNAFT, a.s. is committed to fully respect legislation and will only use REACH compliant raw materials. At this point in time PP TATREN does not contain any substances specifically identified as SVHC at levels greater than 0.1%.

RECYCLING

Polypropylene resins are suitable for recycling using modern recycling methods. In-house production waste should be kept clean to facilitate direct recycling.

SAFETY

See MSDS.

Flammability measurement according to FMVSS302 (1998): burning rate 35.1 mm/min, horizontal position, measured on press moulded specimens, size (356 x 73 x 2.1-2.5) mm.

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