

# TATREN® IM 22 63

Polypropylene Impact Copolymer

Slovnaft Petrochemicals, s.r.o.

## Message:

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

TATREN IM 22 63 is suitable for food contact. The product complies with Food Contact Regulations.

General Information			
Additive	Mold Release		
	Nucleating Agent		
Features	Controlled Rheology		
	Food Contact Acceptable		
	Good Impact Resistance		
	Good Mold Release		
	Good Processing Stability		
	High Stiffness		
	Impact Copolymer		
	Medium Flow		
	Nucleated		
	Recyclable Material		
Uses	Consumer Applications		
	Containers		
	Crates		
	Furniture		
	Household Goods		
	Packaging		
	Rigid Packaging		
	Toys		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	22	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method

Rockwell Hardness (R-Scale)	85		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Injection Molded)	1650	MPa	ISO 527-2
Tensile Stress (Yield, Injection Molded)	26.0	MPa	ISO 527-2
Tensile Strain (Yield, Injection Molded)	5.0	%	ISO 527-2
Flexural Modulus (Injection Molded)	1500	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180/A
-20°C, Injection Molded	4.5	kJ/m <sup>2</sup>	
23°C, Injection Molded	9.0	kJ/m <sup>2</sup>	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	107	°C	ISO 75-2/B
Injection	Nominal Value	Unit	
Processing (Melt) Temp	190 to 250	°C	

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#### Recommended distributors for this material

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