

TATREN® IM 100 85

Polypropylene Impact Copolymer

Slovnaft Petrochemicals, s.r.o.

Message:

TATREN IM 100 85 is reactor impact copolymer of exceptionally high fluidity and excellent processability. This grade contains nucleating and antistatic agent.

TATREN IM 100 85 is characterised by excellent stiffness and good impact resistance. This grade has excellent organoleptic properties which makes it suitable to be used for food contact applications.

TATREN IM 100 85 is intended especially for very high speed thin wall injection moulding of products where high stiffness and good impact resistance is required. Typical end products are household and garden articles like bowls, pails, storage boxes, trays, caps, closures, boxes for food packaging etc. This grade can be used in mixtures with TATREN homopolymer grades.

TATREN IM 100 85 is suitable for food contact. The product complies with Food Contact Regulations.

General Information			
Additive	Antistatic		
	Nucleating Agent		
Features	Antistatic		
	Fast Molding Cycle		
	Food Contact Acceptable		
	Good Impact Resistance		
	Good Organoleptic Properties		
	Good Processability		
	High Flow		
	High Stiffness		
	Impact Copolymer		
	Nucleated		
	Recyclable Material		
Uses	Blending		
	Caps		
	Closures		
	Containers		
	Food Packaging		
	Household Goods		
	Lawn and Garden Equipment		
	Pails		
	Support Trays		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method

Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	100	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	83		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Injection Molded)	1550	MPa	ISO 527-2
Tensile Stress (Yield, Injection Molded)	24.0	MPa	ISO 527-2
Tensile Strain (Yield, Injection Molded)	4.0	%	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	3.0	kJ/m ²	
23°C	4.0	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	108	°C	ISO 75-2/B
Injection	Nominal Value	Unit	
Processing (Melt) Temp	190 to 250	°C	

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