

TATREN® HM 50 46

Polypropylene Homopolymer

Slovnaft Petrochemicals, s.r.o.

Message:

TATREN HM 50 46 is controlled rheology homopolymer of high fluidity and narrow molecular weight distribution. This grade contains nucleating and antistatic agent. TATREN HM 50 46 is characterised by very good mechanical properties, good dimensional stability and excellent stiffness. It has higher crystallisation temperature which allows good de-moulding at higher temperature and shorter moulding cycles.

Applications

TATREN HM 50 46 is intended for thin wall injection moulding of household and garden articles like containers, storage boxes, bowls, buckets, lids, trays, caps, boxes for food packaging, media boxes, flower pots, garden furniture and other general purpose articles. This grade can be used in mixtures with TATREN impact copolymers. Usage of TATREN HM 50 46 for compounding is possible as well.

TATREN HM 50 46 is suitable for food contact. The product complies with Food Contact Regulations.

General Information			
Additive	Antistatic		
	Nucleating Agent		
Features	Antistatic		
	Controlled Rheology		
	Fast Molding Cycle		
	Food Contact Acceptable		
	Good Dimensional Stability		
	Good Stiffness		
	High Flow		
	Homopolymer		
	Narrow Molecular Weight Distribution		
	Nucleated		
	Recyclable Material		
Uses	Compounding		
	Containers		
	Furniture		
	General Purpose		
	Household Goods		
	Packaging		
	Pharmaceutical Packaging		
	Thin-walled Parts		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	50	g/10 min	ISO 1133

Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	102		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Injection Molded)	1900	MPa	ISO 527-2
Tensile Stress (Yield, Injection Molded)	36.0	MPa	ISO 527-2
Tensile Strain (Yield, Injection Molded)	9.0	%	ISO 527-2
Flexural Modulus (Injection Molded)	1800	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C, Injection Molded)	3.0	kJ/m ²	ISO 180/A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	113	°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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