TATREN® IM 55 80

Polypropylene Impact Copolymer

Slovnaft Petrochemicals, s.r.o.

Message:

TATREN IM 55 80 is reactor impact copolymer of good processing stability and high fluidity. This grade contains very effective and modern nucleating agent which in combination with antistatic agent provides short cycles, good dimensional stability of final articles and good mould release in the injection moulding process.
TATREN IM 55 80 is characterised by excellent organoleptic properties (low taste and odour), high stiffness/impact balance and good flow.
TATREN IM 55 80 is intended especially for high speed thin wall injection moulding of products where good impact resistance is required. Typical end products are different household and garden articles like bowls, pails, storage boxes, trays, caps, closures, boxes for food packaging, toys etc. This grade can be used in mixtures with TATREN homopolymer grades.
TATREN IM 55 80 is well suited for LFT technology to produce sound insulation car parts by compression moulding. This grade can be used for compounding as well.
TATREN IM 55 80 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 Dimensional Stability
	Good Impact Resistance
	Good Mold Release
	Good Organoleptic Properties
	High Flow
	High Stiffness
	Impact Copolymer
	Nucleated
	Recyclable Material
Uses	Automotive Applications
	Blending
	Caps
	Closures
	Compounding
	Containers
	Food Packaging
	Household Goods
	Lawn and Garden Equipment
	Pails
	Support Trays

	Thin-walled Parts
	Toys
Forms	Pellets
Processing Method	Compounding
	Compression Molding
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	55	g/10 min	ISO 1133
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	82		ISO 2039-2
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus (Injection Molded)	1500	MPa	ISO 527-2
Tensile Stress (Yield, Injection Molded)	23.0	MPa	ISO 527-2
Tensile Strain (Yield, Injection Molded)	4.0	%	ISO 527-2
Flexural Modulus (Injection Molded)	1450	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact Strength			ISO 180/A
-20°C, Injection Molded	4.0	kJ/m^2	
23°C, Injection Molded	7.0	kJ/m^2	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (0.45 MPa, Unannealed)	105	°C	ISO 75-2/B
Injection	**Nominal Value**	**Unit**	
Processing (Melt) Temp	190 to 250	°C	

Recommended distributors for this material

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