

TATREN® IM 12 59

Polypropylene Impact Copolymer

Slovnaft Petrochemicals, s.r.o.

Message:

TATREN IM 12 59 is impact copolymer of good processing stability and medium fluidity. This grade contains nucleating and mould release agent. TATREN IM 12 59 is characterised by high stiffness which is well balanced by good impact resistance.

Applications

TATREN IM 12 59 is intended especially for injection moulding of products where good impact resistance as well as high stiffness is required - transport and storage containers, water tanks, household and garden articles, toys, rigid packaging, and other general purpose and technical items. This grade can be used for compounding as well.

TATREN IM 12 59 is suitable for food contact. The product complies with Food Contact Regulations. The grade is suitable for manufacturing of pharmaceutical packing-product.

General Information			
Additive	Mold Release		
	Nucleating Agent		
Features	Food Contact Acceptable		
	Good Impact Resistance		
	Good Mold Release		
	Good Processing Stability		
	High Stiffness		
	Impact Copolymer		
	Medium Flow		
	Nucleated		
	Recyclable Material		
Uses	Compounding		
	Containers		
	General Purpose		
	Household Goods		
	Packaging		
	Pharmaceutical Packaging		
	Rigid Packaging		
	Tanks		
Forms	Pellets		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method

Rockwell Hardness (R-Scale)	88		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Injection Molded)	1650	MPa	ISO 527-2
Tensile Stress (Yield, Injection Molded)	26.5	MPa	ISO 527-2
Tensile Strain (Yield, Injection Molded)	5.0	%	ISO 527-2
Flexural Modulus (Injection Molded)	1550	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180/A
-20°C, Injection Molded	4.5	kJ/m ²	
23°C, Injection Molded	9.5	kJ/m ²	
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

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

