TATREN® TPO 20 77

Polypropylene

Slovnaft Petrochemicals, s.r.o.

Message:

TATREN TPO 20 77 is controlled rheology extra high impact resistance thermoplastic polyolefine with exceptional impact properties even at low temperatures. It is grade of medium fluidity and contains nucleating agent. TATREN TPO 20 77 is characterised by exceptionally high impact resistance even at minus temperatures and very good impact/stiffness balance.
Applications
TATREN TPO 20 77 is intended especially for compounding and subsequent injection moulding of products where excellent impact resistance at minus temperatures is required. This grade is intended to be used in automotive industry. In regard of extra high impact properties of the grade it is very often not necessary to add any rubber modifier for the purpose to increase impact behaviour for heavy applications. When used in blends it also allows usage of higher portion of regranulates while there is not deterioration of impact properties, which makes this grade to be economically very attractive raw material.
TATREN TPO 20 77 is suitable for food contact. The product complies with Food Contact Regulations.

General Information	
Additive	Nucleating Agent
Features	Controlled Rheology Food Contact Acceptable Good Stiffness Low Temperature Impact Resistance Medium Flow Nucleated Ultra High Impact Resistance
Uses	Automotive Applications Compounding
Forms	Pellets
Processing Method	Compounding Injection Molding

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ISO 1133
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus (Injection Molded)	1050	MPa	ISO 527-2
Tensile Stress (Yield, Injection Molded)	19.0	MPa	ISO 527-2
Tensile Strain (Yield, Injection Molded)	10	%	ISO 527-2
Flexural Modulus (Injection Molded)	950	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact Strength			ISO 180/A
-30°C, Injection Molded	> 10	kJ/m^2	

-20°C, Injection Molded	30	kJ/m²	
23°C, Injection Molded	42	kJ/m²	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (0.45 MPa, Unannealed)	81.0	°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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