

TWO COLOURS



ONE DIRECTION

TATREN RM 60 57

*THE NEW GENERATION OF TRANSPARENT CONTROLLED RHEOLOGY
POLYPROPYLENE GRADE*

POLYPROPYLENE TATREN RM 60 57 is a new generation controlled rheology grade Random Copolymer containing Millad® NX™ 8000, the latest generation clarifying agent. It allows for good transparency in injection moulding in combination with good organoleptic properties. This grade also allows for low temperature processing, resulting in increased productivity and contributing to an improved carbon footprint.

BENEFITS:

- ▶ Good visual appearance, transparency and high gloss
- ▶ Good organoleptic properties – Suitable for demanding food contact applications
- ▶ High fluidity to allow molding of thin-walled parts and complex geometries
- ▶ Excellent quality and consistency
 - Improved consistency across a variety of processing conditions
 - Broad processing window allows for cycle time reduction and energy saving

PROPERTIES:

Optical

Parameter	Method	Unit	RM 60 57
Haze	ASTM D1003	%	11
Gloss	ASTM 253	%	111

Mechanical

Parameter	Method	Unit	RM 60 57
MFR (230°C, 2.16kg)	ISO 11 33	g/10min	60
Flexural Modulus	ISO 178	MPa	1100
Izod Impact Strength (23°C), Notched	ISO 180	kJ/m ²	4
Izod Impact Strength (0°C), Notched	ISO 180	kJ/m ²	2
HDT, 0.45 MPa	ISO 75	°C	80
Shrinkage MD	ISO 294	%	1,70
Shrinkage TD	ISO 294	%	1,59

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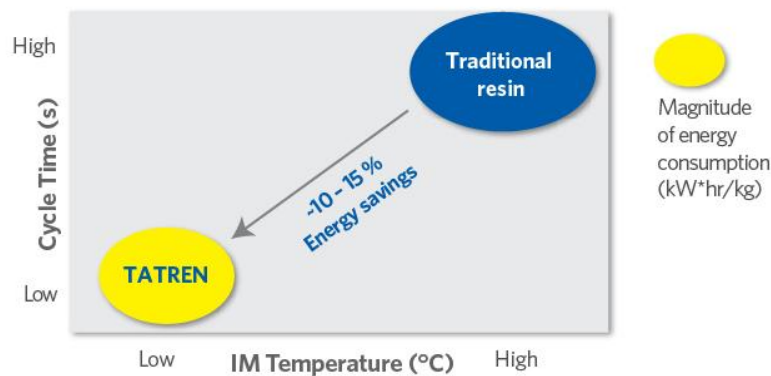
TVK

Organoleptic

Parameter	Method	Unit	RM 60 57
C-emissions	VDA 277	ppm	55
Odor	PV3900	-	2

ENERGY SAVINGS AND PRODUCTIVITY INCREASE

Traditionally clarified Random Copolymers require high processing temperatures to optimize transparency/clarity. The improved solubility of Millad® NX™ 8000 provides improved aesthetics at significantly lower temperatures than traditional clarifiers. Lower temperatures mean lower energy consumption and shorter cycle time, hence improved productivity and thus a more sustainable solution. On average 10-15% energy saving can be expected.



PROCESSING

TATREN RM 60 57 can be processed on standard injection moulding machines.

► MOLD FINISH

The best optical performance is achieved using SPI standard A1 to A3 (R.A. 0.012 – 0,05 µm)

► PROCESSING CONDITIONS

Utilize processing temperatures between 170 – 190 °C

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APPLICATIONS

- ▶ Thin wall containers
- ▶ Household products
- ▶ Storage containers
- ▶ Caps and closures



MANUFACTURER:

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For further information and Technical data sheets please contact our Technical service department or your sales representative.

DISCLAIMER

The information provided in this publication has been compiled to the best of our present knowledge. However, in view of the various applications of polypropylene resins and the equipment used, the processing conditions may differ. The recommendations and data herein are to be construed as informative only and do not relieve users from carrying out their own tests and experiments prior to processing in order to check suitability for a specific use. It is the responsibility of those to whom we supply our products to ensure that any proprietary rights and existing laws and legislation are observed. Our products are under continuous development, therefore we reserve the right to change the information presented in this brochure at our own discretion.

Date of issue: October, 2012

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