

TIPPLEN® R 359

Polypropylene Random Copolymer

MOL Petrochemicals Co. Ltd.

Message:

TIPPLEN R 359 is a random copolymer polypropylene for injection moulding applications. The product is formulated with a nucleating agent. The products made of this grade show high transparency and gloss. TIPPLEN R 359 is suitable for replacement of PVC, PS and PET. TIPPLEN R 359 is recommended for injection moulding of household kitchen articles, containers and thin-walled packaging for cosmetics, toiletries, herbs and confectioneries, where the higher gas-permeability is no problem. It is applicable for injection moulding of transparent food containers, which can use in microwave oven. TIPPLEN R 359 is suitable for food contact. The product complies with Food Contact Regulations.

General Information			
Additive	Nucleating Agent		
Features	Food Contact Acceptable		
	High Clarity		
	High Gloss		
	Nucleated		
	Random Copolymer		
	Recyclable Material		
Uses	Containers		
	Cosmetic Packaging		
	Food Containers		
	Household Goods		
	Pharmaceutical Packaging		
	Thin-walled Packaging		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	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)	81		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Injection Molded)	1100	MPa	ISO 527-2
Tensile Stress (Yield, Injection Molded)	29.0	MPa	ISO 527-2
Tensile Strain (Yield, Injection Molded)	13	%	ISO 527-2
Flexural Modulus (Injection Molded)	1100	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method

Notched Izod Impact Strength (23°C, Injection Molded)	6.0	kJ/m ²	ISO 180/A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	80.0	°C	ISO 75-2/B
Injection	Nominal Value	Unit	
Processing (Melt) Temp	185 to 230	°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

