TIPPLEN® R 1059 A

Polypropylene Random Copolymer

MOL Petrochemicals Co. Ltd.

Message:

TIPPLEN R 1059 A is a random copolymer polypropylene with high flow properties for injection moulding applications for high speed injection moulding machines. The grade contains nucleating and antistatic agent and made with special optical additive. The product shows excellent transparency and gloss.
TIPPLEN R 1059 A is suitable for replacement of PVC, PS and PET.
TIPPLEN R 1059 A is recommended for injection moulding for the production of household articles, containers and thin-walled packaging for cosmetics, toiletries, herbs, confectionery, 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 1059 A is suitable for food contact and for manufacturing of toys. The product complies with Food Contact and Toy Safety Regulations.

General Information	
Additive	Antistatic
	Nucleating Agent
	Unspecified Additive 2
Features	Antistatic
	Fast Molding Cycle
	Food Contact Acceptable
	High Clarity
	High Flow
	High Gas Permeability
	Nucleated
	Opticals
	Random Copolymer
	Recyclable Material
Uses	Containers
	Cosmetic Packaging
	Food Containers
	Food Packaging
	Household Goods
	Thin-walled Packaging
	Toys
Agency Ratings	EC 1907/2006 (REACH)
Processing Method	Injection Molding

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	85	g/10 min	ISO 1133

Hardness	Nominal Value	Unit	Test Method

Rockwell Hardness (R-Scale)	87		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Injection Molded)	1150	MPa	ISO 527-2
Tensile Stress (Yield, Injection Molded)	31.0	MPa	ISO 527-2
Tensile Strain (Yield, Injection Molded)	12	%	ISO 527-2
Flexural Modulus (Injection Molded)	1250	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C, Injection Molded)	4.0	kJ/m^2	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	89.0	°C	ISO 75-2/B
Injection	Nominal Value	Unit	
Processing (Melt) Temp	185 to 230	°C	

Recommended distributors for this material

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