

REPOL® R070EY

Polypropylene Random Copolymer

Reliance Industries Limited

Message:

REPOL Polypropylene R070EY is manufactured using Unipol PP process which combines the production efficiency of gas phase fluidized bed reactor technology with the high activity stereospecific catalyst system. Repol R070EY is recommended for use in heat seal layer in heat sealable BOPP and Cast Film. R070EY contains slip and antiblock.

General Information	
Additive	Antiblock Slip
Features	Antiblocking Good Processability High Clarity High Gloss Low Temperature Heat Sealability Random Copolymer Slip
Uses	Bi-axially Oriented Film Cast Film
Forms	Pellets
Processing Method	Cast Film Film Extrusion

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	19.0	MPa	ASTM D638
Tensile Elongation ² (Yield)	11	%	ASTM D638
Flexural Modulus - 1% Secant ³	650	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	85	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	68.0	°C	ASTM D648
Melting Temperature	134	°C	DSC
NOTE			

1.	Type I, 50 mm/min
2.	Type I, 50 mm/min
3.	Type I

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