

REPOL® H035SG

Polypropylene Homopolymer

Reliance Industries Limited

Message:

REPOL Polypropylene H035SG is being manufactured using Unipol PP process, which combines the production efficiency of gas phase fluidized bed reactor with the high activity stereospecific catalyst system. Repol H035SG is recommended for use in Oriented Film process. Repol H035SG is the material of choice for metallisable BOPP films and also for the films used in food packaging, cigarette & textile overwraps, lamination, synthetic paper etc.

General Information			
Features	Good Processability High Clarity High Gloss High Rigidity High Tensile Strength Homopolymer		
Uses	Bi-axially Oriented Film Film Food Packaging Laminates		
Forms	Pellets		
Processing Method	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.5	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	36.0	MPa	ASTM D638
Tensile Elongation ² (Yield)	10	%	ASTM D638
Flexural Modulus - 1% Secant ³	1700	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	40	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	104	°C	ASTM D648
NOTE			
1.	Type I, 50 mm/min		
2.	Type I, 50 mm/min		
3.	Type I		

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