

Hanwha Total PP RJ500

Polypropylene

HANWHA TOTAL PETROCHEMICALS Co., Ltd.

Message:

RJ500 is a random copolymer with greater transparency than regular Homo PP. The addition of comonomers and a transparent nucleating agent has significantly improved the product's mechanical properties.

General Information			
Additive	Nucleating agent		
Features	Nucleated		
	Workability, good		
	High liquidity		
	Good appearance		
	Random copolymer		
Uses	Household goods		
	Food container		
Appearance	Clear/transparent		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.910	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	85		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	32.4	MPa	ASTM D638
Tensile Elongation (Break)	600	%	ASTM D638
Flexural Modulus	1080	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	25	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	95.0	°C	ASTM D648
Optical	Nominal Value	Unit	Test Method
Haze	30	%	ASTM D1003
Additional Information			
Spiral Flow, SAMSUNG TOTAL: 137 cm			

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