

POLIMAXX 3342S

Polypropylene Random Copolymer

IRPC Public Company Limited

Message:

3342S is Random Copolymer Polypropylene resin for injection molding with high clarity and high flow. It is suitable for clarity food containers, thin wall packaging, crate and housewares. It also meets the F.D.A. requirement in the code of federal regulations in 21 CFR 177.1520 for food contact.
Typical applications:
Injection molding: clarity housewares, food container, crate, thin wall packaging

General Information			
Features	High liquidity		
	Definition, high		
	Compliance of Food Exposure		
	Random copolymer		
Uses	Thin wall packaging		
	Household goods		
	Food container		
	Loading box		
Agency Ratings		FDA 21 CFR 177.1520	
RoHS Compliance		RoHS compliance	
Processing Method		Injection molding	
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	30	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	94		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	30.0	MPa	ASTM D638
Tensile Elongation (Yield)	38	%	ASTM D638
Flexural Modulus - 1% Secant	1080	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.5	kJ/m²	DIN 53453
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	83.0	°C	ASTM D648
Injection	Nominal Value	Unit	
Processing (Melt) Temp	180 - 230	°C	

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