

# Braskem PP RP 149

Polypropylene Random Copolymer

Braskem

Message:

RP 149 is a very high fluidity random copolymer, suitable for injection molding of large parts with excellent processability and transparency, high gloss, good stiffness/impact balance.

Applications:

Injection of high transparency and thin wall parts; rapid cycling injection.

Processing:

Injection Molding

General Information			
Features	Rigid, good		
	Highlight		
	Impact resistance, good		
	Workability, good		
	Fast molding cycle		
	High liquidity		
	Definition, high		
	Random copolymer		
Uses	Thin wall parts		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.902	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	87	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, Injection Molded)	80		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	28.0	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	14	%	ASTM D638
Flexural Modulus - 1% Secant (Injection Molded)	950	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, Injection Molded)	40	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, Injection Molded)	75.0	°C	ASTM D648
Optical	Nominal Value	Unit	Test Method

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#### Recommended distributors for this material

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