

INEOS PP R08S-00

Polypropylene Random Copolymer

INEOS Olefins & Polymers USA

Message:

R08S-00 is a random copolymer polypropylene for film, blow molding, expanded PP foam beads, and injection molding applications needing slip properties. Benefits include superior slip properties and consistent processing. This resin meets the requirements of the U.S. Food and Drug administration as specified in 12 CFR 177.1520.

General Information	
Features	Food Contact Acceptable
	Random Copolymer
	Slip
Uses	Blow Molding Applications
	Film
Agency Ratings	EC 1907/2006 (REACH)
	FDA 21 CFR 177.1520
RoHS Compliance	Contact Manufacturer
Forms	Pellets
Processing Method	Blow Molding
	Film Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.899	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	77		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Yield	26.3	MPa	
Break	25.0	MPa	
Tensile Elongation ²			ASTM D638
Yield	13	%	
Break	900	%	
Flexural Modulus - 1% Secant	847	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256

4°C	27	J/m	
23°C	75	J/m	
Notched Izod Impact (Area)			ASTM D256
4°C	2.80	kJ/m ²	
23°C	7.40	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	78.9	°C	ASTM D648
Vicat Softening Temperature	132	°C	ASTM D1525
Optical	Nominal Value	Unit	Test Method
Gloss (60°)	92		ASTM D2457
Haze ³ (1270 μm)	50	%	ASTM D1003
NOTE			
1.	51 mm/min		
2.	51 mm/min		
3.	23°C		

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