

Heraform® R3000 NAT

Acetal (POM) Copolymer

Radici Plastics

Message:

POM Acetal copolymer. Very easy flowing grade for injection moulding of thin walled items and long flow paths. Natural colour
ISO 1043 : POM

General Information			
Features	Copolymer		
	Good Flow		
Uses	Thin-walled Parts		
UL File Number	E116324		
Appearance	Natural Color		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	POM		
Physical	Nominal Value	Unit	Test Method
Density	1.41	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (190°C/2.16 kg)	24.0	cm ³ /10min	ISO 1133
Water Absorption (Saturation, 23°C, 2.00 mm)	0.70	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2900	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	65.0	MPa	ISO 527-2/1A/50
Nominal Tensile Strain at Break	> 20	%	ISO 527-2/1A/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.0	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	106	°C	ISO 75-2/Af
Vicat Softening Temperature	151	°C	ISO 306/B50
Melting Temperature ¹	163	°C	ISO 11357
Flammability	Nominal Value	Unit	Test Method
Burning Rate	< 50	mm/min	FMVSS 302
Flame Rating (0.800 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Suggested Max Moisture	0.20	%	
Processing (Melt) Temp	200 to 220	°C	
Mold Temperature	80.0 to 100	°C	
Injection Rate	Moderate		

NOTE

1. 10°C/min

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