

Retpol® 6019

Polypropylene Homopolymer

PolyPacific Pty. Ltd.

Message:

POLYCOMP 6019 is a PTFE filled medium to low flow polypropylene homopolymer compound. It has been developed for applications involving potable water where an extremely low co-efficient of friction is required.

General Information			
Additive	PTFE Lubricant		
Features	Homopolymer		
	Low Flow		
	Low Friction		
Uses	Valves/Valve Parts		
Forms	Granules		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.00 mm)	1.5 to 1.9	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (3.00 mm)	29.0	MPa	ASTM D638
Tensile Elongation ² (Break, 3.00 mm)	100	%	ASTM D638
Flexural Modulus (3.00 mm)	1080	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.00 mm)	26	J/m	ASTM D256
Unnotched Izod Impact (3.00 mm)	No Break		ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, 3.00 mm)	86.0	°C	ASTM D648
Injection	Nominal Value	Unit	
Suggested Max Regrind	10	%	
Processing (Melt) Temp	200 to 260	°C	
Mold Temperature	20.0 to 60.0	°C	
Injection Rate	Moderate-Fast		
NOTE			
1.	50 mm/min		
2.	50 mm/min		

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