

Owispol® 525

General Purpose Polystyrene

Synthos S.A.

Message:

Owispol® 525 is general purpose polystyrene (GPPS) with excellent optical properties, gloss and balanced combination of rheological, mechanical and thermal properties. It is a thermoplastic material designed for injection moulding, extrusion and thermoforming. Product has a form of cylindrical granules of diameter 2.5 to 6 mms. Owispol® 525 contains an external lubricant.

General Information			
Additive	Lubricant		
Features	Food Contact Acceptable		
	General Purpose		
	High Gloss		
	Lubricated		
	Opticals		
Uses	Blending		
	Caps		
	Food Containers		
	Food Packaging		
	General Purpose		
	Sheet		
Appearance	Colorless		
Forms	Granules		
Processing Method	Coextrusion		
	Extrusion		
	Injection Molding		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	9.0 to 10	g/10 min	ISO 1133
Molding Shrinkage	0.20 to 0.50	%	Internal Method
Particle Size	2.50 to 6.00	mm	
Residual Styrene	0.020	%	Internal Method
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	15	kJ/m²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	86.0	°C	ISO 306/B50
Flammability	Nominal Value		Test Method
Flame Rating (1.60 mm)	HB		UL 94

Injection	Nominal Value	Unit
Drying Temperature		
Desiccant Dryer	80.0	°C
Hot Air Dryer	70.0	°C
Drying Time		
Desiccant Dryer	1.0	hr
Hot Air Dryer	2.0 to 4.0	hr
Processing (Melt) Temp	180 to 260	°C
Mold Temperature	10.0 to 60.0	°C
Extrusion	Nominal Value	Unit
Melt Temperature	200 to 240	°C

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Recommended distributors for this material

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