

# Pro-fax 6301

Polypropylene Homopolymer

LyondellBasell Industries

## Message:

Pro-fax 6301 polypropylene homopolymer is available in spherical particle form. This resin is typically used for mixing with pigments and other additives to make polymer concentrates or masterbatches.

Pro-fax 6301 has very minimal stabilization, which allows wide design latitude for compounders. Additional stabilization is required to protect the resin during melt processing and throughout its useful life.

For regulatory compliance information see Pro-fax 6301 Product Stewardship Bulletin (PSB).

Please note that any additives compounded into this resin will require a re-assessment of its FDA status.

General Information			
Features	Food Contact Acceptable		
	General Purpose		
	Good Stiffness		
	Homopolymer		
Uses	Compounding		
	General Purpose		
	Masterbatch		
Forms	Spheres		
Processing Method	Compounding		
	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.898	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield)	33.8	MPa	ASTM D638
Tensile Elongation (Yield)	10	%	ASTM D638
Flexural Modulus - 1% Secant <sup>2</sup>	1450	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	32	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	93.3	°C	ASTM D648
NOTE			
1.	51 mm/min		
2.	1.3 mm/min		

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