

# Polyfort TPP30AF44HB-GYGRY

## LyondellBasell Industries - Polypropylene Homopolymer

### General Information

#### Product Description

Polyfort TPP30AF44HB-GYGRY is a Polypropylene Homopolymer Talc, 31% filled material and is typically used in Injection Molding applications. Features include: Homopolymer.

#### General

Filler / Reinforcement	• Talc, 31% Filler by Weight
Features	• Homopolymer
Appearance	• Grey
Forms	• Pellets
Processing Method	• Injection Molding

### Properties<sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.15		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (73°F)	5000	psi	ASTM D638
Tensile Elongation (Break, 73°F)	11	%	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F	419000	psi	
Tangent : 73°F	545000	psi	
Flexural Strength (73°F)	8190	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	0.60	ft-lb/in	ASTM D256
Unnotched Izod Impact (73°F)	8.4	ft-lb/in	ASTM D4812
Gardner Impact (73°F)	5.00	in-lb	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	270	°F	ASTM D648
Deflection Temperature Under Load 264 psi, Unannealed	173	°F	ASTM D648

### Processing Information

Injection	Nominal Value	Unit
Drying Temperature	176	°F
Drying Time	2.0 to 3.0	hr
Processing (Melt) Temp	428 to 500	°F
Mold Temperature	86 to 140	°F