

# Polyfort TPP4C15UVBK21BLK

## LyondellBasell Industries - Polypropylene Copolymer

### General Information

#### Product Description

Polyfort TPP4C15UVBK21BLK is a Polypropylene Copolymer Talc, 15% filled material and is typically used in Injection Molding applications. Features include: UV Stabilized.

#### General

Filler / Reinforcement	• Talc, 15% Filler by Weight
Additive	• UV Stabilizer
Features	• UV Stabilized
Appearance	• Colors Available
Forms	• Pellets
Processing Method	• Injection Molding

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

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.00		ASTM D792
Melt Mass-Flow Rate (MFR)	14	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 73°F)	2800	psi	ASTM D638
Tensile Elongation (Yield)	10	%	ASTM D638
Flexural Modulus (73°F)	210000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.125 in)	5.1	ft-lb/in	ASTM D256
Gardner Impact	155	in-lb	ASTM D3029

### Processing Information

Injection	Nominal Value	Unit
Drying Temperature	176	°F
Drying Time	2.0 to 3.0	hr
Rear Temperature	351 to 430	°F
Middle Temperature	351 to 430	°F
Front Temperature	351 to 430	°F
Processing (Melt) Temp	428 to 500	°F
Mold Temperature	86 to 140	°F
Injection Rate	Moderate	
Back Pressure	20.0 to 300	psi
Cushion	0.250 to 0.500	in