

Technical Data Sheet

Polyfort TPP4C15UVBK21BLK

Polypropylene Copolymer

Product Description

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

Processing Method	Injection Molding
Attribute	UV Stabilized
Forms	Pellets
Appearance	Colors Available
Filler/Reinforcement	Talc, 15%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate	14	g/10 min	ASTM D1238
Density - Specific Gravity	0.998	g/cm ³	ASTM D792
Mechanical			
Tensile Elongation at Yield	10	%	ASTM D638
Tensile Strength at Yield, (23 °C)	19.3	MPa	ASTM D638
Flexural Modulus, (23 °C)	1450	MPa	ASTM D790
Impact			
Gardner Impact	17.5	J	ASTM D3029
Notched Izod Impact, (23 °C, 3.18 mm)	270	J/m	ASTM D256

Injection Parameters	Nominal Value	Units
Drying Time	2.0 to 3.0	hr
Drying Temperature	80	°C
Processing (Melt) Temp	220 to 260	°C
Front Temperature	177 to 221	°C
Middle Temperature	177 to 221	°C
Rear Temperature	177 to 221	°C
Injection Rate	Moderate	
Back Pressure	0.138 to 2.07	MPa
Mold Temperature	30 to 60	°C
Cushion	6.35 to 12.7	mm