Technical Data Sheet

Matrixx TPP4C15UV

Polypropylene Copolymer
LyondellBasell Industries
Engineering Plastics

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

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.00	0.998 g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR)	14 g/10 min	14 g/10 min	ASTM D1238
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Strength (Yield, 73°f (23°c))	2800 psi	19.3 MPa	ASTM D638
Tensile Elongation (Yield)	10 %	10 %	ASTM D638
Flexural Modulus (73°f (23°c))	210000 psi	1450 MPa	ASTM D790
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Notched Izod Impact			ASTM D256
73°f (23°c), 0.125 In (3.18 Mm)	5.0 ft·lb/in	270 J/m	
Gardner Impact	155 in·lb	17.5 J	ASTM D3029

Additional Information

1EAH9A/PR2944
Revision: 5/2/2020

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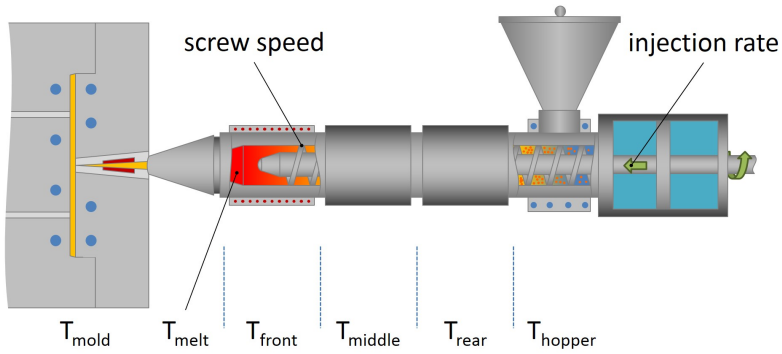

Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	176 °F	80 °C
Drying Time	2.0 to 3.0 hr	2.0 to 3.0 hr
Rear Temperature	350 to 430 °F	177 to 221 °C
Middle Temperature	350 to 430 °F	177 to 221 °C
Front Temperature	350 to 430 °F	177 to 221 °C
Processing (Melt) Temp	428 to 500 °F	220 to 260 °C
Mold Temperature	86 to 140 °F	30 to 60 °C
Injection Rate	Moderate	Moderate
Back Pressure	20.0 to 300 psi	0.138 to 2.07 MPa
Cushion	0.250 to 0.500 in	6.35 to 12.7 mm

Injection Notes

Drying not normally required
Injection Booster Pressure: Maximum without flash, 60% of machine maximum, target
Screw Speed: Slow to Medium

Notes

These are typical property values not to be construed as specification limits.