

Technical Data Sheet

# Matrixx SPP1A30HBBK

Polypropylene Homopolymer  
 LyondellBasell Industries  
 Engineering Plastics

**Product Description**  
 10% Talc/20% Glass Reinforced, Chemically Coupled, Heat Stabilized Homopolymer Polypropylene

General	
Filler / Reinforcement	• Glass\Talc, 30% Filler by Weight
Features	• Homopolymer
UL File NumberUsa	• E51193
Forms	• Pellets

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.14	1.14 g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°c/2.16 Kg)	5.0 g/10 min	5.0 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength <sup>1</sup> (Yield, 73°f (23°c))	9500 psi	65.5 MPa	ASTM D638
Flexural Modulus - Tangent <sup>2</sup> 73°f (23°c), 2.00 In (50.8 Mm) Span	680000 psi	4690 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°f (23°c))	1.3 ft·lb/in	69 J/m	ASTM D256
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load 264 Psi (1.8 Mpa), Unannealed	290 °F	143 °C	ASTM D648
Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating (0.06 In (1.6 Mm))	HB	HB	UL 94

**Notes**  
<sup>1</sup> Type I, 2.0 in/min (51 mm/min)  
<sup>2</sup> 0.050 in/min (1.3 mm/min)

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