

Technical Data Sheet

Matrixx FPE2A10NA

Polyethylene
LyondellBasell Industries
Engineering Plastics

Product Description
Fractional Flow Material

General	
Filler / Reinforcement	• Glass Fiber, 10% Filler by Weight
Features	• Medium Impact Resistance
Forms	• Pellets

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.25	1.25 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 Kg)	0.050 g/10 min	0.050 g/10 min	ASTM D1238

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength ¹ (Yield, 73°F (23°C))	4750 psi	32.8 MPa	ASTM D638
Flexural Modulus ²	269000 psi	1850 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact 73°F (23°C), 0.125 In (3.18 Mm)	8.8 ft·lb/in	470 J/m	ASTM D256

Notes
¹ 2.0 in/min (51 mm/min)
² 0.050 in/min (1.3 mm/min)

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