

Technical Data Sheet

Ferflo SPS20PK01NA

High Impact Polystyrene
LyondellBasell Industries
Engineering Plastics

General	
Additive	• Silicone Lubricant: 20%
Features	• Lubricated
Forms	• Pellets
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	0.990	0.988 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)	60 g/10 min	60 g/10 min	ASTM D1238

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (73°F (23°C))	1200 psi	8.27 MPa	ASTM D638
Tensile Elongation (Break, 73°F (23°C))	4.0 %	4.0 %	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F (23°C)	120000 psi	827 MPa	
Tangent : 73°F (23°C)	140000 psi	965 MPa	
Flexural Strength (73°F (23°C))	1400 psi	9.65 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	0.50 ft·lb/in	27 J/m	ASTM D256
Unnotched Izod Impact (73°F (23°C))	1.0 ft·lb/in	53 J/m	ASTM D4812
Gardner Impact (73°F (23°C))	2.00 in·lb	0.226 J	ASTM D5420

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	175 °F	79.4 °C	
264 Psi (1.8 Mpa), Unannealed	155 °F	68.3 °C	

Notes

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