

Technical Data Sheet

**Ferflo SPS05PK03NA**

Medium Impact Polystyrene

LyondellBasell Industries

Engineering Plastics

General		
Additive	• Silicone Lubricant: 6%	
Features	• Lubricated	• Self Lubricating
Forms	• Pellets	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.03	1.03 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 Kg)	35 g/10 min	35 g/10 min	ASTM D1238

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (73°F (23°C))	3700 psi	25.5 MPa	ASTM D638
Tensile Elongation (Break, 73°F (23°C))	5.0 %	5.0 %	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F (23°C)	310000 psi	2140 MPa	
Tangent : 73°F (23°C)	340000 psi	2340 MPa	
Flexural Strength (73°F (23°C))	5200 psi	35.9 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)	1.0 ft·lb/in	53 J/m	
Unnotched Izod Impact			ASTM D4812
73°F (23°C), 0.125 In (3.18 Mm)	2.0 ft·lb/in	110 J/m	
Gardner Impact (73°F (23°C))	2.00 in·lb	0.226 J	ASTM D5420

Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness (Shore D)	73	73	ASTM D2240

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	185 °F	85.0 °C	
264 Psi (1.8 Mpa), Unannealed	165 °F	73.9 °C	

Additional Information			
Silicone Content, Compuglass: 5.5%			

Notes

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