

FERROFLO® SPS20PK06NA

High Impact Polystyrene

Ferro Corporation

Message:

FERROFLO® SPS20PK06NA is a High Impact Polystyrene material. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for injection molding. Primary attribute of FERROFLO® SPS20PK06NA: Lubricated.

General Information			
Additive	Silicone Lubricant (20%)		
Features	Lubricated		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.988	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	60	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.80	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	8.27	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	4.0	%	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 23°C	827	MPa	
Tangent : 23°C	965	MPa	
Flexural Strength (23°C)	9.65	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	27	J/m	ASTM D256
Unnotched Izod Impact (23°C)	53	J/m	ASTM D4812
Gardner Impact (23°C)	0.226	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	79.4	°C	
1.8 MPa, Unannealed	68.3	°C	

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Recommended distributors for this material

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