

FERROFLO® SPS05PK03NA

Medium Impact Polystyrene

Ferro Corporation

Message:

FERROFLO® SPS05PK03NA is a medium impact grade polyethylene material. This product is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. FERROFLO® The main characteristics of the SPS05PK03NA are: lubrication.

General Information			
Additive	Silicone lubricant (6%)		
Features	Lubrication		
	Self-lubricating		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.03	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	35	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.70	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	73		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	25.5	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	5.0	%	ASTM D638
Flexural Modulus			ASTM D790
1% secant: 23°C	2140	MPa	ASTM D790
Tangent: 23°C	2340	MPa	ASTM D790
Flexural Strength (23°C)	35.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	53	J/m	ASTM D256
Unnotched Izod Impact (23°C, 3.18 mm)	110	J/m	ASTM D4812
Dart Drop Impact (23°C)	0.226	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	85.0	°C	ASTM D648
1.8 MPa, not annealed	73.9	°C	ASTM D648
Additional Information			

Silicone Content, Compuglass: 5.5%

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