

HiFill® PP 0096 S3

Polypropylene

Techmer Engineered Solutions

Message:

HiFill® PP 0096 S3 is a Polypropylene product filled with filler. It can be processed by injection molding and is available in North America.

General Information			
Filler / Reinforcement	Filler		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.958	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.18 mm)	1.9	%	ASTM D955
Water Absorption (24 hr)	0.050	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	33.1	MPa	ASTM D638
Tensile Elongation (Break)	10	%	ASTM D638
Flexural Modulus	1310	MPa	ASTM D790
Flexural Strength	35.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	27	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	116	°C	
1.8 MPa, Unannealed	54.4	°C	
CLTE - Flow	3.4E-5	cm/cm/°C	ASTM D696

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

