Network Polymers PP 30 0100 GF40

Polypropylene Homopolymer

Network Polymers, Inc.

Message:

Network Polymers PP 30 0100 GF40 is a Polypropylene Homopolymer (PP Homopolymer) product filled with 40% glass fiber. It is available in North America.
Characteristics include:
Flame Rated
Chemically Coupled

General Information			
Filler / Reinforcement	Glass Fiber,40% Filler by Weight		
Features	Chemically Coupled Heat Stabilized		
Forms	Pellets		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.22	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) [1] (230°C/2.16 kg)	1.5	g/10 min	ASTM D1238
Molding Shrinkage - Flow (23°C, 0.318 mm, Injection Molded)	0.30	%	ASTM D955
Water Absorption (24 hr)	0.050	%	ASTM D570
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale, Injection Molded)	112		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [2] (Break, 23°C, 3.18 mm, Injection Molded)	93.1	MPa	ASTM D638
Tensile Elongation [3] (Break, 23°C, 3.18 mm, Injection Molded)	3.0	%	ASTM D638
Flexural Modulus - Tangent [4] (23°C, 3.18 mm, Injection Molded)	7580	MPa	ASTM D790
Flexural Strength [5] (23°C, 3.18 mm, Injection Molded)	155	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C, 3.18 mm, Injection Molded)	110	J/m	ASTM D256A
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 3.18 mm, Injection Molded	163	°C	
1.8 MPa, Unannealed, 3.18 mm, Injection Molded	154	°C	
Vicat Softening Temperature	145	°C	ASTM D1525

Melting Temperature	163	°C	ASTM D785
CLTE - Flow	2.7E-5	cm/cm/°C	ASTM D696
Electrical	**Nominal Value**	**Unit**	**Test Method**
Dielectric Strength	20	kV/mm	ASTM D149
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating (@1.5mm)	HB		UL 94
Additional Information	**Nominal Value**	**Unit**	**Test Method**
Filler Content	40	%	ASTM D2584
NOTE			
1.	Procedure A		
2.	Type I, 51 mm/min		
3.	Type I, 51 mm/min		
4.	1.3 mm/min		
5.	1.3 mm/min		

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

WECHAT