FluorLoop® CH10/1001

Polyvinylidene Fluoride

Solvay Specialty Polymers

Message:

FluorLoop® CH10/1001 is typically processed by extrusion, mainly for film extrusion applications.

General Information			
Features	Homopolymer Medium viscosity		
Processing Method	Extrusion		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.75 - 1.80	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/5.0 kg)	4.0 - 8.0	g/10 min	ASTM D1238
Water Absorption (23°C, 24 hr)	< 0.040	%	ASTM D570
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus [1] (23°C, 2.00 mm)	1700 - 2500	MPa	ASTM D638
Tensile Strength [2]			ASTM D638
Yield, 23°C, 2.00mm	50.0 - 60.0	MPa	ASTM D638
Fracture, 23°C, 2.00mm	30.0 - 50.0	MPa	ASTM D638
Tensile Elongation [3]			ASTM D638
Yield, 23°C, 2.00mm	5.0 - 10	%	ASTM D638
Fracture, 23°C, 2.00mm	20 - 300	%	ASTM D638
Thermal	**Nominal Value**	**Unit**	**Test Method**
Peak Melting Temperature	170 - 175	°C	ASTM D3418
Peak Crystallization Temperature (DSC)	137 - 144	°C	ASTM D3418
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	> 1.0E+14	ohms	ASTM D257
Volume Resistivity	> 1.0E+14	ohms·cm	ASTM D257
Dielectric Strength (23°C, 1.00 mm)	20 - 25	kV/mm	ASTM D149
Dielectric Constant (23°C, 1 kHz)	7.00 - 10.0		ASTM D150
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating (0.100 mm)	V-0		UL 94
Oxygen Index (3.00 mm)	44	%	ASTM D2863
NOTE			
1.	Type 4, 1.0mm/min		
2.	Type 4, 50mm/min		
3.	Type 4, 50mm/min		

infringement occurs, please contact us immediately.

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