

Polifor® QD 813 Y001 NATURALE

Polypropylene Copolymer

SO.F.TER. SPA

Message:

Polypropylene copolymer reinforced with 30% glass fiber. Flame retardant grade UL94 V-0

General Information			
UL YellowCard	E187982-227109		
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Copolymer		
	Flame Retardant		
Uses	Automotive Applications		
Agency Ratings	EC 1907/2006 (REACH)		
UL File Number	E187982		
Appearance	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.40	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.0	g/10 min	ASTM D1238
Molding Shrinkage	0.30	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	65.0	MPa	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Flexural Modulus	6000	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	130	°C	ASTM D648
Vicat Softening Temperature	125	°C	ASTM D1525 ¹
Ball Pressure Test (125°C)	Pass		IEC 335
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	600	V	IEC 60112
Needle Flame Test	Pass		IEC 60695-11-5
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.60 mm	V-0		

V-0

3.20 mm

5VA

Glow Wire Ignition Temperature

960

°C

IEC 60695-2-13

Injection

Nominal Value

Unit

Drying Temperature

80.0

°C

Drying Time

2.0

hr

Rear Temperature

190

°C

Middle Temperature

220

°C

Front Temperature

240

°C

Mold Temperature

50.0 to 70.0

°C

NOTE

1.

Rate A (50°C/h), Loading 2 (50 N)

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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

