Polifor® QD 813 Y001 NATURALE WOD

Polypropylene Copolymer

SO.F.TER. SPA

Message:

Polypropylene copolymer reinforced with 30% glass fiber. Flame retardant, PBDE free grade

General Information			
UL YellowCard	E187982-102080882		
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	1.46	g/cm³	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)	62.0	MPa	ASTM D638
Tensile Elongation (Break)	7.0	%	ASTM D638
Flexural Modulus	5100	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C)	150	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (1.8 MPa, Unannealed)	125	°C	ASTM D648
Vicat Softening Temperature	135	°C	ASTM D1525 [1]
Ball Pressure Test (125°C)	Pass		IEC 335
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating			UL 94
0.800 mm	V-0		
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	210	°C
Middle Temperature	240	°C
Front Temperature	250	°C
Mold Temperature	50.0 to 70.0	°C

NOTE	
1.	Rate A (50°C/h), Loading 2 (50 N)

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

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