

STIROFOR HI-V0 NATURALE WOD

High Impact Polystyrene

SO.F.TER. SPA

Message:

Hi-impact polystyrene, flame retardant grade UL94 V-0/5VA, PBDE free

General Information			
Features	Flame Retardant		
	High Impact Resistance		
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	1.15	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	12	g/10 min	ASTM D1238
Molding Shrinkage	0.50	%	Internal Method
Water Absorption (23°C, 24 hr)	0.060	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	22.0	MPa	ASTM D638
Tensile Elongation (Break)	20	%	ASTM D638
Flexural Modulus	1800	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	80	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	80.0	°C	ASTM D1525 ¹
Electrical	Nominal Value	Unit	Test Method
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	60.0	°C	
Drying Time	2.0	hr	

Rear Temperature	160	°C
Middle Temperature	170	°C
Front Temperature	180	°C
Mold Temperature	30.0 to 50.0	°C

NOTE

1. Rate A (50°C/h), Loading 2 (50 N)

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