

RTP 2099 X 137399 A NS

Polyester Alloy

RTP Company

Message:

Flame Retardant - UV Stabilized - Medical Cleaner Resistant - No Subs

General Information			
UL YellowCard	E84658-102365623		
Additive	UV Stabilizer		
Features	Detergent Resistant		
	Flame Retardant		
RoHS Compliance	Contact Manufacturer		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.27	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (240°C/5.0 kg)	7.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.50 to 0.80	%	ASTM D955
Moisture Content	< 0.020	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1450	MPa	ASTM D638
Tensile Strength	41.4	MPa	ASTM D638
Tensile Elongation (Yield)	> 50	%	ASTM D638
Flexural Modulus	1450	MPa	ASTM D790
Flexural Strength	62.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	640	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	No Break		ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	96.1	°C	
1.8 MPa, Unannealed	82.2	°C	
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.50 mm, ** Values per RTP Company testing.	V-0		
3.00 mm, ** Values per RTP Company testing.	5VA		
Injection	Nominal Value	Unit	
Drying Temperature	87.8	°C	
Drying Time	4.0 to 6.0	hr	

Dew Point	-40.0	°C
Processing (Melt) Temp	249 to 271	°C
Mold Temperature	65.6 to 82.2	°C
Injection Pressure	103 to 138	MPa

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