CYCOLAC™ RESIN INP572

REGION AMERICAS

DESCRIPTION

Low flow SAN pellets. FDA compliant (part use must be at room temperature or below).

TYPICAL PROPERTY VALUES

Revision 20190814

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Flexural Stress, yld, 1.3 mm/min, 50 mm span	134	MPa	ASTM D 790
Flexural Modulus, 1.3 mm/min, 50 mm span	3900	MPa	ASTM D 790
Flexural Stress, yield, 2 mm/min	92	MPa	ISO 178
Flexural Modulus, 2 mm/min	3460	MPa	ISO 178
IMPACT			
Charpy Impact, unnotched, 23°C	1	kJ/m²	ISO 179/2C
Izod Impact, notched, 23°C	46	J/m	ASTM D 256
Izod Impact, notched 80*10*4 +23°C	3	kJ/m²	ISO 180/1A
Izod Impact, notched 80*10*4 -30°C	2	kJ/m²	ISO 180/1A
THERMAL			
HDT, 0.45 MPa, 3.2 mm, unannealed	95	°C	ASTM D 648
HDT, 1.82 MPa, 3.2mm, unannealed	85	°C	ASTM D 648
Vicat Softening Temp, Rate B/50	102	°C	ISO 306
Vicat Softening Temp, Rate B/120	105	°C	ISO 306
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	87	°C	ISO 75/Af
PHYSICAL			
Specific Gravity	1.08	-	ASTM D 792
Melt Flow Rate, 230°C/3.8 kg	5.9	g/10 min	ASTM D 1238
Density	1.08	g/cm³	ISO 1183
Melt Flow Rate, 220°C/10.0 kg	16	g/10 min	ISO 1133

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