CYCOLAC™ RESIN INP576

REGION AMERICAS

DESCRIPTION

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

TYPICAL PROPERTY VALUES

Revision 20190325

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, yld, Type I, 5 mm/min	41	MPa	ASTM D 638
Tensile Stress, brk, Type I, 5 mm/min	68	MPa	ASTM D 638
Tensile Strain, yld, Type I, 5 mm/min	1.4	%	ASTM D 638
Tensile Strain, brk, Type I, 5 mm/min	2.2	%	ASTM D 638
Tensile Modulus, 5 mm/min	3970	MPa	ASTM D 638
Flexural Stress, yld, 1.3 mm/min, 50 mm span	96	MPa	ASTM D 790
Flexural Modulus, 1.3 mm/min, 50 mm span	3570	MPa	ASTM D 790
Hardness, Rockwell R	122	-	ASTM D 785
Flexural Stress, yield, 2 mm/min	68	MPa	ISO 178
Flexural Modulus, 2 mm/min	3540	MPa	ISO 178
IMPACT			
Charpy Impact, unnotched, 23°C	1	kJ/m²	ISO 179/2C
Izod Impact, notched, 23°C	21	J/m	ASTM D 256
Izod Impact, notched, -30°C	13	J/m	ASTM D 256
Izod Impact, notched 80*10*4 +23°C	1	kJ/m²	ISO 180/1A
Izod Impact, notched 80*10*4 -30°C	1	kJ/m²	ISO 180/1A
THERMAL			
HDT, 0.45 MPa, 3.2 mm, unannealed	98	°C	ASTM D 648
HDT, 1.82 MPa, 3.2mm, unannealed	87	°C	ASTM D 648
Vicat Softening Temp, Rate B/50	102	°C	ISO 306
Vicat Softening Temp, Rate B/120	106	°C	ISO 306
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	84	°C	ISO 75/Af
PHYSICAL			
Specific Gravity	1.08	-	ASTM D 792
Melt Flow Rate, 230°C/3.8 kg	23	g/10 min	ASTM D 1238
Density	1.08	g/cm³	ISO 1183
Melt Flow Rate, 220°C/10.0 kg	78	g/10 min	ISO 1133
OPTICAL			
Yellowness Index	1	-	ASTM D 1925

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