CYCOLAC™ RESIN INP630

REGION AMERICAS

DESCRIPTION

High heat AMSAN pellets.

TYPICAL PROPERTY VALUES

Revision 20190207

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Flexural Stress, yld, 1.3 mm/min, 50 mm span	115	MPa	ASTM D 790
Flexural Modulus, 1.3 mm/min, 50 mm span	3880	MPa	ASTM D 790
Flexural Stress, yield, 2 mm/min	58	MPa	ISO 178
Flexural Modulus, 2 mm/min	3620	MPa	ISO 178
IMPACT			
Izod Impact, notched, 23°C	19	J/m	ASTM D 256
Izod Impact, notched, -30°C	13	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	1	kJ/m²	ISO 180/1A
Charpy Impact, notched, 23°C	1	kJ/m²	ISO 179/2C
THERMAL			
HDT, 0.45 MPa, 3.2 mm, unannealed	110	°C	ASTM D 648
HDT, 1.82 MPa, 3.2mm, unannealed	100	°C	ASTM D 648
Vicat Softening Temp, Rate B/50	116	°C	ISO 306
Vicat Softening Temp, Rate B/120	118	°C	ISO 306
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	99	°C	ISO 75/Af
PHYSICAL			
Specific Gravity	1.09	-	ASTM D 792
Melt Flow Rate, 230°C/3.8 kg	10.9	g/10 min	ASTM D 1238
Density	1.09	g/cm³	ISO 1183
Melt Flow Rate, 220°C/10.0 kg	21	g/10 min	ISO 1133
OPTICAL			
Yellowness Index	6	-	ASTM D 1925

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