

CYCOLACTM RESIN INP630

REGION AMERICAS

DESCRIPTION

High heat AMSAN pellets.

TYPICAL PROPERTY VALUES

Revision 20181012

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/m ²	ISO 180/1A
Izod Impact, notched 80°10'4 -30°C	1	kJ/m ²	ISO 180/1A
Charpy Impact, notched, 23°C	1	kJ/m ²	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 kgf	10.9	g/10 min	ASTM D 1238
Density	1.09	g/cm ³	ISO 1183
Melt Flow Rate, 220°C/10.0 kg	21	g/10 min	ISO 1133
OPTICAL			
Yellowness Index	6	-	ASTM D 1925

DISCLAIMER

Any sale by SABIC, its subsidiaries and affiliates (each a "seller"), is made exclusively under seller's standard conditions of sale (available upon request) unless agreed otherwise in writing and signed on behalf of the seller. While the information contained herein is given in good faith, SELLER MAKES NO WARRANTY, EXPRESS OR IMPLIED, INCLUDING MERCHANTABILITY AND NON-INFRINGEMENT OF INTELLECTUAL PROPERTY, NOR ASSUMES ANY LIABILITY, DIRECT OR INDIRECT, WITH RESPECT TO THE PERFORMANCE, SUITABILITY OR FITNESS FOR INTENDED USE OR PURPOSE OF THESE PRODUCTS IN ANY APPLICATION. Each customer must determine the suitability of seller materials for the customer's particular use through appropriate testing and analysis. No statement by seller concerning a possible use of any product, service or design is intended, or should be construed, to grant any license under any patent or other intellectual property right.