

CYCOLACT™ RESIN INP556

REGION AMERICAS

DESCRIPTION

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

TYPICAL PROPERTY VALUES

Revision 20250604

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Flexural Stress, break, 2 mm/min	124	MPa	ISO 178
Tensile Stress, brk, Type I, 5 mm/min	77	MPa	ASTM D638
Tensile Strain, brk, Type I, 5 mm/min	3.1	%	ASTM D638
Tensile Modulus, 5 mm/min	3600	MPa	ASTM D638
Flexural Stress, yld, 1.3 mm/min, 50 mm span	132	MPa	ASTM D790
Flexural Modulus, 1.3 mm/min, 50 mm span	3640	MPa	ASTM D790
Flexural Modulus, 2 mm/min	3600	MPa	ISO 178
IMPACT			
Izod Impact, notched 80°10°3 +23°C	1.9	kJ/m ²	ISO 180/1A
Charpy 23°C, Unnotch Edgew 80°10°3 sp=62mm	16	kJ/m ²	ISO 179/1eU
Izod Impact, notched, 23°C	12	J/m	ASTM D256
Izod Impact, notched, -30°C	18	J/m	ASTM D256
Izod Impact, notched 80°10°4 -30°C	2.2	kJ/m ²	ISO 180/1A
THERMAL			
HDT, 0.45 MPa, 3.2 mm, unannealed	98	°C	ASTM D648
HDT, 1.82 MPa, 3.2mm, unannealed	86	°C	ASTM D648
Vicat Softening Temp, Rate B/50	103	°C	ISO 306
Vicat Softening Temp, Rate B/120	105	°C	ISO 306
HDT/Af, 1.8 MPa Flatw 80°10°4 sp=64mm	88	°C	ISO 75/Af
PHYSICAL			
Specific Gravity	1.08	-	ASTM D792
Melt Flow Rate, 230°C/3.8 kg	24	g/10 min	ASTM D1238
Density	1.08	g/cm ³	ISO 1183
Melt Flow Rate, 220°C/10.0 kg	56	g/10 min	ISO 1133
OPTICAL			
Light Transmission, 2.54 mm	91.7	%	ASTM D1003
Haze, 2.54 mm	1.7	%	ASTM D1003

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.

© 2025 Copyright by SABIC. All rights reserved

CHEMISTRY THAT MATTERS™

