



CYCOLAC™ RESIN EX75

REGION AMERICAS

DESCRIPTION

Multi-purpose, extrusion ABS providing a favorable balance of engineering properties.

TYPICAL PROPERTY VALUES

Revision 20170816

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, yld, Type I, 5 mm/min	39	MPa	ASTM D 638
Tensile Stress, brk, Type I, 5 mm/min	33	MPa	ASTM D 638
Tensile Strain, yld, Type I, 5 mm/min	2.4	%	ASTM D 638
Tensile Strain, brk, Type I, 5 mm/min	42.9	%	ASTM D 638
Tensile Modulus, 5 mm/min	2130	MPa	ASTM D 638
Flexural Stress, yld, 1.3 mm/min, 50 mm span	73	MPa	ASTM D 790
Flexural Modulus, 1.3 mm/min, 50 mm span	2400	MPa	ASTM D 790
IMPACT			
Izod Impact, notched, 23°C	421	J/m	ASTM D 256
Instrumented Impact Total Energy, 23°C	35	J	ASTM D 3763
THERMAL			
Vicat Softening Temp, Rate B/50	106	°C	ASTM D 1525
HDT, 0.45 MPa, 3.2 mm, unannealed	94	°C	ASTM D 648
HDT, 1.82 MPa, 3.2mm, unannealed	82	°C	ASTM D 648
CTE, -40°C to 40°C, flow	7.92E-05	1/°C	ASTM E 831
CTE, -40°C to 40°C, xflow	8.1E-05	1/°C	ASTM E 831
PHYSICAL			
Specific Gravity	1.04	-	ASTM D 792
Mold Shrinkage, flow, 3.2 mm (5)	0.5 – 0.7	%	SABIC method
Melt Viscosity, 240°C, 100 sec-1	11600	Poise	ASTM D 3825
Melt Volume Rate, MVR at 220°C/10.0 kg	9	cm³/10 min	ISO 1133
SHEET EXTRUSION			
Drying Temperature	90 – 95	°C	
Drying Time (Cumulative)	4	hrs	
Maximum Moisture Content	0	%	
Melt Temperature	200 – 220	°C	
Barrel - Zone 1 Temperature	170 – 190	°C	



PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
Barrel - Zone 2 Temperature	180 – 200	°C	
Barrel - Zone 3 Temperature	175 – 205	°C	
Barrel - Zone 4 Temperature	180 – 210	°C	
Adapter Temperature	180 – 205	°C	
Die Temperature	180 – 215	°C	

DISCLAIMER

The information contained herein may include typical properties of our products or their typical performances when used in certain typical applications. Actual properties of our products, in particular when used in conjunction with any third party material(s) or for any non-typical applications, may differ from typical properties.

It is the customer's responsibility to inspect and test our product(s) in order to satisfy itself as to the suitability of the product(s) for its and its customers particular purposes. The customer is responsible for the appropriate, safe and legal use, processing and handling of all product(s) purchased from us.

Nothing herein is intended to be nor shall it constitute a warranty whatsoever, in particular, warranty of merchantability or fitness for a particular purpose.

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