

CYCOLAC™ INP572 resin

Acrylonitrile Butadiene Styrene + SAN

SABIC Innovative Plastics

Message:

High molecular weight SAN, functions as a carrier resin for color concentrates. Can be used as compounding additives for polymer blends. Can be blended with high rubber graft modifier resins to produce customized ABS properties. Suitable for direct weather exposure. Provides excellent melt strength for extrusion, blow molding, or thermoforming applications

General Information			
Features	High molecular weight		
	Good melt strength		
	Good weather resistance		
Uses	Color masterbatch		
	Additive		
RoHS Compliance	RoHS compliance		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.08	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR)			
230°C/3.8 kg	5.9	g/10 min	ASTM D1238
220°C/10.0 kg	16	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus			
50.0mm span ¹	3900	MPa	ASTM D790
-- ²	3460	MPa	ISO 178
Flexural Stress			
--	92.0	MPa	ISO 178
Yield, 50.0mm span ³	134	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	1.4	kJ/m ²	ISO 179/2U
Notched Izod Impact			
23°C	46	J/m	ASTM D256
-30°C ⁴	2.0	kJ/m ²	ISO 180/1A
23°C ⁵	3.2	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, unannealed, 3.20mm	95.9	°C	ASTM D648
1.8 MPa, unannealed, 3.20mm	85.4	°C	ASTM D648
1.8 MPa, unannealed, 64.0mm span ⁶	88.0	°C	ISO 75-2/Af
Vicat Softening Temperature			

--	103	°C	ISO 306/B50
--	105	°C	ISO 306/B120
NOTE			
1.	1.3 mm/min		
2.	2.0 mm/min		
3.	1.3 mm/min		
4.	80*10*4		
5.	80*10*4		
6.	80*10*4 mm		

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