

CYCOLAC™ INPBMAT resin

Acrylonitrile Butadiene Styrene

SABIC Innovative Plastics

Message:

Cross-linked SAN in styrenic matrix. Provides excellent gloss reduction properties. Maintains original polymer properties such as impact etc. Compatible with various polymer such as PVC and ABS. Can be used in low gloss ABS products at typical loading around 5PHR. Can be effectively compounded with ABS and other styrenic thermoplastics in molded, extruded or calendered applications to provide excellent gloss reduction properties without losing other physical performance.

General Information			
Features	Gloss, low		
Uses	Composite		
	Mixing		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.07	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	0.49	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus			
50.0mm span ¹	3700	MPa	ASTM D790
-- ²	3400	MPa	ISO 178
Flexural Stress			
--	38.4	MPa	ISO 178
Yield, 50.0mm span ³	33.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	18	J/m	ASTM D256
-30°C ⁴	1.9	kJ/m ²	ISO 180/1A
23°C ⁵	2.3	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, unannealed, 3.20mm	94.4	°C	ASTM D648
1.8 MPa, unannealed, 3.20mm	86.0	°C	ASTM D648
1.8 MPa, unannealed, 64.0mm span ⁶	87.1	°C	ISO 75-2/Af
Vicat Softening Temperature			
--	101	°C	ISO 306/B50
--	103	°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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