



CYCOLAC™ Resin INP572

Americas: COMMERCIAL

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

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Flexural Stress, yld, 1.3 mm/min, 50 mm span	1360	kgf/cm ²	ASTM D 790
Flexural Modulus, 1.3 mm/min, 50 mm span	39700	kgf/cm ²	ASTM D 790
Flexural Stress, yield, 2 mm/min	92	MPa	ISO 178
Flexural Modulus, 2 mm/min	3460	MPa	ISO 178
IMPACT			
Charpy Impact, unnotched, 23°C	1	kJ/m ²	ISO 179/2C
Izod Impact, notched, 23°C	4	cm-kgf/cm	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	2	kJ/m ²	ISO 180/1A
THERMAL			
HDT, 0.45 MPa, 3.2 mm, unannealed	95	°C	ASTM D 648
HDT, 1.82 MPa, 3.2mm, unannealed	85	°C	ASTM D 648
Vicat Softening Temp, Rate B/50	102	°C	ISO 306
Vicat Softening Temp, Rate B/120	105	°C	ISO 306
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	87	°C	ISO 75/Af
PHYSICAL			
Specific Gravity	1.08	-	ASTM D 792
Melt Flow Rate, 230°C/3.8 kgf	5.8	g/10 min	ASTM D 1238
Density	1.08	g/cm ³	ISO 1183
Melt Flow Rate, 220°C/10.0 kg	16	g/10 min	ISO 1133

