

CYCOLACTM RESIN INPBMAT

REGION AMERICAS

DESCRIPTION

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.

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Flexural Stress, yld, 1.3 mm/min, 50 mm span	33	MPa	ASTM D 790
Flexural Modulus, 1.3 mm/min, 50 mm span	3700	MPa	ASTM D 790
Flexural Stress, yield, 2 mm/min	38	MPa	ISO 178
Flexural Modulus, 2 mm/min	3400	MPa	ISO 178
IMPACT			
Izod Impact, notched, 23°C	18	J/m	ASTM D 256
Izod Impact, notched 80*10*4 +23°C	2	kJ/m ²	ISO 180/1A
Izod Impact, notched 80*10*4 -30°C	1	kJ/m ²	ISO 180/1A
THERMAL			
HDT, 0.45 MPa, 3.2 mm, unannealed	94	°C	ASTM D 648
HDT, 1.82 MPa, 3.2mm, unannealed	86	°C	ASTM D 648
Vicat Softening Temp, Rate B/50	100	°C	ISO 306
Vicat Softening Temp, Rate B/120	102	°C	ISO 306
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	87	°C	ISO 75/Af
PHYSICAL			
Specific Gravity	1.07	-	ASTM D 792
Density	1.07	g/cm ³	ISO 1183
Melt Flow Rate, 220°C/10.0 kg	0	g/10 min	ISO 1133

