



BHANSALI ENGINEERING POLYMERS LIMITED

ABSTRON PT45M

Extrusion ABS-Sheet/Pipe/Profile application

Technical Data Sheet

Characteristic features - Antistatic

Properties	Test Condition	Test Method	Unit	Typical Value
Other Properties				
Specific Gravity		ASTM D-792	-	1.045
Mold Shrinkage		ASTM D-955	%	0.40 - 0.50
Mechanical Properties				
Tensile Strength, Type I, 3.2 mm at yield	5 mm / min	ASTM D-638	Kgf/sq.cm.	390
Flexural Strength, 6.4 mm at yield	5 mm / min	ASTM D-790	Kgf/sq.cm.	490
Flexural Modulus, 6.4 mm	5 mm / min	ASTM D-790	Kgf/sq.cm.	18000
Rockwell Hardness		ASTM D-785	R-scale	102
Izod Impact, Notched 3.2mm	23°C	ASTM D-256	Kgfc/cm	52
Izod Impact, Notched 6.4mm	23°C	ASTM D-256	Kgfc/cm	38
Thermal Properties				
Heat Distortion Temperature (Method A), 6.4mm	At 18.56 Kgf/sq.cm. (Annealed at 80°C/2hr)	ASTM D-648	°C	87
Rheological Properties				
Melt Flow Index	At 220°C / 10 kg	ASTM D-1238	g/10 min	8
Flame Class Rating				
Flammability, 3.2 mm		UL-94		HB

Note:

Given values are typical property values for natural color product and variation within normal tolerances are for various colors. These values are not to be construed as sales specifications. All properties except melt flow index are measured on injection moulded specimens.