



BHANSALI ENGINEERING POLYMERS LIMITED

ABSTRON MIF45

Injection Molding

Technical Data Sheet

Characteristic features - High Flow, High Impact

Properties	Test Condition	Test Method	Unit	Typical Value
Other Properties				
Specific Gravity		ASTM D-792	-	1.045
Mold Shrinkage		ASTM D-955	%	0.40 - 0.60
Mechanical Properties				
Tensile Strength, Type I, 3.2 mm at yield	5 mm / min	ASTM D-638	Kgf/sq.cm.	420
Flexural Strength, 6.4 mm at yield	5 mm / min	ASTM D-790	Kgf/sq.cm.	650
Flexural Modulus, 6.4 mm	5 mm / min	ASTM D-790	Kgf/sq.cm.	22500
Rockwell Hardness		ASTM D-785	R-scale	110
Izod Impact, Notched 3.2mm	23°C	ASTM D-256	Kgfc/cm	28
Izod Impact, Notched 6.4mm	23°C	ASTM D-256	Kgfc/cm	22
Thermal Properties				
Heat Distortion Temperature (Method A), 6.4mm	At 18.56 Kgf/sq.cm. (Annealed at 85°C/2hr)	ASTM D-648	°C	93
Rheological Properties				
Melt Flow Index	At 220°C / 10 kg	ASTM D-1238	g/10 min	43
Flame Class Rating				
Flammability, 3.2mm		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.