

Provisional Technical Datasheet

MI44N



Polypropylene Impact Co Polymer

Injection Molding & Compounding

To enquire, Visit: www.jitsy.in

Product Description:

PP Block Co polymer MI44N is a heterophasic natural colored & nucleated grade produced with the latest Ineos Gas Phase polymerization Technology exhibiting following features:

- ✓ Higher flow for easy processing
- ✓ Good Impact – Stiffness balance
- ✓ Anti-static properties

PP Block Co Polymer MI44N is recommended for Injection molding applications such as:

- ✓ Thin wall Injection Molding
- ✓ Housewares
- ✓ Rigid Packaging for Dairy products
- ✓ Compounding

Typical Properties:

Sr. No.	Particulars	Specification	Units	Values*
Physical Properties				
1	Melt Flow Index (230°C & 2.16 kg)	ASTM D1238	g / 10 min	44
2	Density (23 °C)	ASTM D 1505	Gm/cm ³	0.90
Mechanical Properties				
3	Tensile Strength @ Yield (50mm / min)	ASTM D 638	MPa	25
4	Elongation @ Break (50mm / min)	ASTM D 638	%	40
5	Flexural Modulus (1.3 mm/min)	ASTM D790A	MPa	1200
6	Notch Izod Impact Strength (@ 23°C)	ASTM D 256	J/m	100
7	Hardness (Rockwell)	ASTM D 785	R Scale	75
Thermal Properties				
8	Heat Deflection Temperature (0.46N/m ²)	ASTM D648	°C	95
* Mechanical Properties tested on Injection molded specimen prepared in accordance with ASTM D 4101 and conditioned as per ASTM D 618				
* Typical Values and not to be taken as specifications, values may change without any prior notice.				

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Recommended Processing Temperature: 180 – 220 °C

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