

SABIC® PP 76M10

PROVISIONAL DATA SHEET POLYPROPYLENE IMPACT COPOLYMER

DESCRIPTION

SABIC® PP 76M10 is a heterophasic copolymer suitable for injection molding applications. This grade offers an excellent balance of stiffness, impact strength and processability.

TYPICAL APPLICATIONS

SABIC® PP 76M10 can be used for Automotive, Compounding, Consumer products and Rigid Packaging.

INDUSTRY	SUB INDUSTRY
Consumer	Consumer Goods, Home Appliances
Packaging	Rigid Packaging

TYPICAL PROPERTY VALUES

Revision 20230511

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES ⁽¹⁾			
Melt Flow Rate (MFR)			
at 230°C and 2.16kg	7	g/10 min	ISO 1133
MECHANICAL PROPERTIES ⁽²⁾			
Tensile Stress at Yield	21.5	MPa	ISO 527-1/-2
Tensile modulus	1000	MPa	ISO 527
Charpy Impact Strength ⁽²⁾			
(23°C, Type 1, Edgewise, Notched A)	45	kJ/m²	ISO 179
(-20°C, Type 1, Edgewise, Notched A)	8	kJ/m²	ISO 179

(1) Typical values, not to be construed as specific limits.

(2) Based on injection molded specimens

PROCESSING CONDITIONS

Typical processing conditions for SABIC® 76M10 :-

Barrel temperature range: 200 - 250°C.

Mold temperature: normally 15 - 40°C, up to 65°C for thick parts.

Mold shrinkage: 1.2 - 2.0% depending on wall thickness and processing conditions.

STORAGE AND HANDLING

Polypropylene resin should be stored in a manner to prevent a direct exposure to sunlight and/or heat. The storage area should also be dry and preferably do not exceed 50°C. SABIC would not give warranty to bad storage conditions which may lead to quality deterioration such as color change, bad smell and inadequate product performance. It is advisable to process PP resin within 6 months after delivery.



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