

SABIC® PP 55M10

PROVISIONAL DATA SHEET POLYPROPYLENE IMPACT COPOLYMER

DESCRIPTION

SABIC® PP 55M10 is a low melt flow polypropylene impact copolymer suitable for injection molding and thermoforming applications. The product exhibits

very high impact strength even at low temperature combined with a good stiffness. .

TYPICAL APPLICATIONS

SABIC® PP 55M10 can be used for Caps & Closures, Clear Containers, Housewares, sports, leisure and toys.

TYPICAL PROPERTY VALUES

Revision 20240718

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES ⁽¹⁾			
Melt Flow Rate (MFR)			
at 230°C and 2.16kg	4	g/10 min	ISO 1133
MECHANICAL PROPERTIES ⁽²⁾			
Tensile Stress at Yield	27	MPa	ISO 527-1/-2
Tensile modulus	1200	MPa	ISO 527
Charpy Impact Strength ⁽²⁾			
(23°C, Type 1, Edgewise, Notched A)	13	kJ/m ²	ISO 179
(-20°C, Type 1, Edgewise, Notched A)	4.5	kJ/m ²	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® 55M10 :-

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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