



# SABIC® PP 55M10

## PROVISIONAL DATA SHEET POLYPROPYLENE IMPACT COPOLYMER

### DESCRIPTION

SABIC® PP 55M10 is a low fluidity polypropylene impact copolymer suitable for injection moulding 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 20230511

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