

# M1685X

## Description

High crystallinity polypropylene block copolymer for injection molding  
Excellent stiffness, good impact resistance, high heat resistance as well as high productivity by cycle time reduction

## Application

Automotive Compounding Base, Industrial Parts

Properties	Method	Condition	Unit	M1685X
<b>Physical</b>				
MFI	ASTM D1238	230°C, 2.16kg load	g/10min	30
Density	ASTM D1505	Density-Gradient	g/cm <sup>3</sup>	0.9
<b>Mechanical</b>				
Tensile Strength at yield point(kgf/cm <sup>2</sup> )	ASTM D638	50mm/min	kgf/cm <sup>2</sup>	310
Elongation at Break Point	ASTM D638	50mm/min	%	<50
Flexural Modulus(kgf/cm <sup>2</sup> )	ASTM D790	Press sheet, 1% Secant	kgf/cm <sup>2</sup>	19000
Izod Impact Strength(kgf-cm/cm)	ASTM D256	23°C, Notched	kgf-cm/cm	6
Izod Impact Strength(kgf-cm/cm)	ASTM D256	-20°C, Notched	kgf-cm/cm	3
Rockwell Hardness(R-Scale)	ASTM D785	R-Scale		105
<b>Thermal</b>				
Vicat Softening Temperature	ASTM D1525	A50	°C	152
Heat Deflection Temperature	ASTM D648	4.6kgf/cm <sup>2</sup>	°C	135

## Note

The properties data in this table are typical values, and not guaranteed specification.  
Typical resin property values are measured on a standard injection molded specimens.

Issued Date : 2022-02-11

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