

SABIC® PP 6801K

POLYPROPYLENE RANDOM COPOLYMER

DESCRIPTION

SABIC® PP 6801K is a new highly transparent random copolymer grade for extrusion blow molding. This grade exhibits well balanced impact-stiffness performance while maintaining high transparency and gloss.

TYPICAL APPLICATIONS

SABIC® PP 6801K can be used for producing extrusion blow molded container & sheet.

TYPICAL PROPERTY VALUES

Revision 20260513

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES ⁽¹⁾			
Melt Flow Rate (MFR)			
at 230°C and 2.16kg	1.0	g/10 min	ASTM D1238
Density			
at 23°C	905	g/cm ³	ASTM D792
OPTICAL			
Haze, 1.0 mm	11	%	ASTM D1003
MECHANICAL PROPERTIES ⁽²⁾			
Flexural Modulus (1% Secant)	850	MPa	ISO 178
Izod impact notched			
at 23°C	17	kJ/m ²	ISO 180
Rockwell Hardness, R-Scale	87	-	ASTM D785
FILM PROPERTIES ⁽¹⁾			
Tensile Properties			
Strength @ Yield	28	MPa	ISO 527
Elongation @ Yield	12	%	ISO 527
THERMAL PROPERTIES ⁽¹⁾			
Vicat Softening Point	125	°C	ASTM D1525
Heat deflection temperature			
@ 0.45 MPa	70	°C	ASTM D648

(1) Typical values; not to be construed as specification limits.

(2) Based on injection molded specimens

PROCESSING CONDITIONS

Barrel temperature range: 190 – 220 °C, Die & Melt Temperature 180-220 °C. Mold Temperature: Normally 15 - 40°C, up to 65°C for thick parts.

HEALTH AND SAFETY CONSIDERATIONS AND PRECAUTIONS

DISCLAIMER: This product is not intended for and must not be used in any pharmaceutical / medical applications. This being an EXPERIMENTAL grade, it does not have food contact approval. The grade must be used for non-food applications only.

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CHEMISTRY THAT MATTERS™



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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