

SABIC® PP RA1E10H

PP RANDOM COPOLYMER

DESCRIPTION

This random copolymer has a high molecular weight and therefore mainly used for extrusion. It is typically used in sheet extrusion.

Health, Safety and Food Contact regulations:

Material Safety Data Sheets (MSDS) and Product Safety declarations are available on our Internet site <http://www.SABIC.com>

The product mentioned herein is in particular not tested and therefore not validated for use in pharmaceutical/medical applications.

IMDS 80775790

TYPICAL PROPERTY VALUES

Revision 20260212

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 230 °C and 2.16 kg	0.30	dg/min	ISO 1133
Density	895	kg/m³	ASTM D1505
MECHANICAL PROPERTIES			
Tensile test			
tensile modulus ⁽¹⁾	950	MPa	ISO 527-2 1A
strain at yield ⁽²⁾	12	%	ISO 527-2 1A
stress at yield	29	MPa	ISO 527-2 1A
Izod impact notched			
at 23 °C	14	kJ/m²	ISO 180/1A
Charpy Impact Strength Notched			
at 23 °C	16	kJ/m²	ISO 179/1eA
Charpy impact unnotched			
at 23 °C	>60	kJ/m²	ISO 179
Hardness Shore D	63	-	ISO 868
THERMAL PROPERTIES			
Vicat Softening Temperature ⁽³⁾			
at 10 N (VST/A)	128	°C	ISO 306
at 50 N (VST/B)	67	°C	ISO 306

(1) Speed of testing: 1 mm/min

(2) Speed of testing: 50 mm/min

(3) Temperature rate: 120°C/h

STORAGE AND HANDLING

Avoid prolonged storage in open sunlight, high temperatures (<50 °C) and /or high humidity as this could well speed up alteration and consequently loss of quality of the material and /or its packaging. Keep material completely dry for good processing.



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