

SABIC® PPCOMPOUND 7985

PP COMPOUND MINERAL FILLED IMPACT MODIFIED
REGION AMERICAS

DESCRIPTION

SABIC® PPcompound 7985 is a mineral filled, impact modified polypropylene TPO. This material combines scratch resistance and heat stability with interior automotive UV stability.

IMDS ID: 209747565

TYPICAL PROPERTY VALUES

Revision 20260317

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, yld, Type I, 50 mm/min	27	MPa	ASTM D638
Tensile Stress, brk, Type I, 50 mm/min	20	MPa	ASTM D638
Tensile Strain, yld, Type I, 50 mm/min	5	%	ASTM D638
Tensile Strain, brk, Type I, 50 mm/min	22	%	ASTM D638
Tensile Modulus, 50 mm/min	2780	MPa	ASTM D638
Flexural Modulus, 1.3 mm/min, 50 mm span	1940	MPa	ASTM D790
Tensile Stress, yield, 50 mm/min	27	MPa	ISO 527
Tensile Stress, break, 50 mm/min, 1A	20	MPa	ISO 527
Tensile Strain, yield, 50 mm/min	6	%	ISO 527
Tensile Strain, break, 50 mm/min	14	%	ISO 527
Tensile Modulus, 1 mm/min	2190	MPa	ISO 527
Flexural Modulus, 2 mm/min, 64mm span	2220	MPa	ISO 178
Hardness, Shore D	66	-	ISO 868
IMPACT			
Izod Impact, unnotched, 23°C, 63.5*12.7*3.2mm, Cut	1080	J/m	ASTM D4812
Izod Impact, notched, 23°C, 63.5*12.7*3.2mm, Cut	45	J/m	ASTM D256
Instrumented Impact Energy @ peak, 23°C @ 6.6 m/s	22	J	ASTM D3763
Instrumented Impact Energy @ peak, 0°C @ 6.6 m/s	7	J	ASTM D3763
Instrumented Impact Energy @ peak, -30°C @ 6.6 m/s	2	J	ASTM D3763
Izod Impact, notched, 23°C, 80*10*4mm, Cut	4	kJ/m²	ISO 180/1A
Izod Impact, notched, 0°C, 80*10*4mm, Cut	2	kJ/m²	ISO 180/1A
Izod Impact, notched, -30°C, 80*10*4mm, Cut	2	kJ/m²	ISO 180/1A
Charpy Impact, notched, 23°C, 80*10*4mm, Cut	6	kJ/m²	ISO 179/1eA
Charpy Impact, notched, 0°C, 80*10*4mm, Cut	2	kJ/m²	ISO 179/1eA
Charpy Impact, notched, -30°C, 80*10*4mm, Cut	2	kJ/m²	ISO 179/1eA
THERMAL			
HDT, 0.45 MPa, 3.2 mm	114	°C	ASTM D648
HDT, 1.82 MPa, 3.2 mm	60	°C	ASTM D648
CLTE, -30C to 100°C, flow	7	µm/mK	ISO 11359-2
CLTE, -30C to 100°C, xflow	18	µm/mK	ISO 11359-2
Vicat Softening 10N, 50°C/hr	144	°C	ISO 306
HDT 0.45 MPa, 80*10*4mm, Cut	108	°C	ISO 75-1&2

© 2026 Copyright by SABIC. All rights reserved

CHEMISTRY THAT MATTERS™



PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
HDT 1.8 MPa, 80*10*4mm, Cut	61	°C	ISO 75-1&2
PHYSICAL			
Specific Gravity	1.02	-	ASTM D792
Mold Shrinkage, 48 hrs @ 23°C, flow	0.8	%	SABIC method
Mold Shrinkage, 48 hrs @ 23°C, xflow	1.2	%	SABIC method
Mold Shrinkage, 1 hr @ 80°C, flow	1	%	SABIC method
Mold Shrinkage, 1 hr @ 80°C, xflow	1.4	%	SABIC method
Density	1.02	g/cm³	ISO 1183
Melt Flow Rate, 230°C/2.16 kg	21	g/10 min	ISO 1133
INJECTION MOLDING			
Drying Temperature	80 – 100	°C	
Drying Time	2 – 4	Hrs	
Melt Temperature	210 – 270	°C	
Nozzle Temperature	210 – 270	°C	
Front - Zone 3 Temperature	210 – 270	°C	
Middle - Zone 2 Temperature	200 – 250	°C	
Rear - Zone 1 Temperature	190 – 230	°C	
Mold Temperature	15 – 60	°C	
Back Pressure	1 – 1.5	MPa	

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.

DISCLAIMER

Any sale by SABIC, its subsidiaries and affiliates (each a "seller"), is made exclusively under seller's standard conditions of sale (available upon request) unless agreed otherwise in writing and signed on behalf of the seller. While the information contained herein is given in good faith, SELLER MAKES NO WARRANTY, EXPRESS OR IMPLIED, INCLUDING MERCHANTABILITY AND NON-INFRINGEMENT OF INTELLECTUAL PROPERTY, NOR ASSUMES ANY LIABILITY, DIRECT OR INDIRECT, WITH RESPECT TO THE PERFORMANCE, SUITABILITY OR FITNESS FOR INTENDED USE OR PURPOSE OF THESE PRODUCTS IN ANY APPLICATION. Each customer must determine the suitability of seller materials for the customer's particular use through appropriate testing and analysis. No statement by seller concerning a possible use of any product, service or design is intended, or should be construed, to grant any license under any patent or other intellectual property right.

