



# SABIC® PPCOMPOUND G3240U

PP SHORT GLASS FIBER REINFORCED  
REGION AMERICAS

## DESCRIPTION

SABIC® PPcompound G3240U is a general purpose, 40% glass filled, chemically coupled, heat stabilized and UV stabilized homopolymer polypropylene compound.

IMDS ID: 209768078

## TYPICAL PROPERTY VALUES

Revision 20180807

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>MECHANICAL</b>			
Tensile Stress, brk, Type I, 50 mm/min	120	MPa	ASTM D638
Tensile Strain, brk, Type I, 50 mm/min	2.4	%	ASTM D638
Tensile Modulus, 50 mm/min	7610	MPa	ASTM D638
Flexural Modulus, 1.3 mm/min, 50 mm span	7800	MPa	ASTM D790
Tensile Stress, break, 50 mm/min, 1A	110	MPa	ISO 527
Tensile Strain, break, 50 mm/min	2.9	%	ISO 527
Tensile Modulus, 1 mm/min	8900	MPa	ISO 527
Flexural Modulus, 2 mm/min, 64mm span	8900	MPa	ISO 178
<b>IMPACT</b>			
Izod Impact, unnotched, 23°C, 63.5*12.7*3.2mm, Cut	610	J/m	ASTM D4812
Izod Impact, notched, 23°C, 63.5*12.7*3.2mm, Cut	97	J/m	ASTM D256
Instrumented Impact Energy @ peak, 23°C @ 2.2 m/s	4	J	ASTM D3763
Izod Impact, notched, 23°C, 80*10*4mm, Cut	10	kJ/m²	ISO 180/1A
Izod Impact, notched, -30°C, 80*10*4mm, Cut	10	kJ/m²	ISO 180/1A
Charpy Impact, notched, 23°C, 80*10*4mm, Cut	10	kJ/m²	ISO 179/1eA
Charpy Impact, notched, -30°C, 80*10*4mm, Cut	13	kJ/m²	ISO 179/1eA
<b>THERMAL</b>			
HDT, 0.45 MPa, 3.2 mm	161	°C	ASTM D648
HDT, 1.82 MPa, 3.2 mm	153	°C	ASTM D648
CLTE, -30C to 100°C, flow	16	µm/mK	ISO 11359-2
CLTE, -30C to 100°C, xflow	155	µm/mK	ISO 11359-2
Vicat Softening 10N, 50°C/hr	164	°C	ISO 306
HDT 0.45 MPa, 80*10*4mm, Cut	161	°C	ISO 75-1&2
HDT 1.8 MPa, 80*10*4mm, Cut	153	°C	ISO 75-1&2
<b>PHYSICAL</b>			
Specific Gravity	1.22	-	ASTM D792
Mold Shrinkage, 48 hrs @ 23°C, flow	0.4	%	SABIC method
Mold Shrinkage, 48 hrs @ 23°C, xflow	0.8	%	SABIC method
Density	1.22	g/cm³	ISO 1183
Melt Flow Rate, 230°C/2.16 kg	11	g/10 min	ISO 1133
<b>INJECTION MOLDING</b>			
Drying Temperature	80 – 100	°C	



PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
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 NONINFRINGEMENT 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.