SABIC® PPcompound 20MBTFU

Polypropylene

Saudi Basic Industries Corporation (SABIC)

Message:

SABIC® PPcompound 20MBTFU is a talc filled masterbatch for use with SABIC® PP Super high impact copolymers and as such part of the SABIC® PP CS system. This material contains UV stabilization for exterior application.

SABIC® PPcompound 20MBTFU is a designated automotive grade.

Features	General Information			
Features Good UV Resistance Impact Modified Uses Automotive Applications Masterbatch Porms Pellets Processing Method Injection Molding Physical Nominal Value Unit Test Method Density 1.33 g/cm³ ISO 1183 Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) 6.0 g/10 min ISO 1133 Hardness Nominal Value Unit Test Method Shore Hardness (Shore D, Injection Molded) 77 Yield, 3.20 mm, Injection Molded 27.0 MPa Break, 3.20 mm, Injection Molded 24.0 MPa Tensile Strein (Break, 3.20 mm, Injection Molded) 10 % ISO 527-2/5/50 Flexural Modulus 1 (Injection Molded) 2700 MPa ASTM D790 Impact Charpy Notched Impact Strength (23°C, Injection Molded) 4.0 kJ/m² ISO 180/4A Notched Izopat Strength O°C, Injection Molded) 3.0 kJ/m² Notched Impact Strength O°C, Injection Molded 3.0 kJ/m²	Filler / Reinforcement	Talc		
Features Good UV Resistance Impact Modified Uses Automotive Applications Masterbatch Forms Pellets Processing Method Injection Molding Physical Nominal Value Unit Test Method Density 1.33 g/cm³ ISO 1183 Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) 6.0 g/10 min ISO 1183 Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) 6.7 g/10 min ISO 1183 Hardness Nominal Value Unit Test Method Shore Hardness (Shore D, Injection Molded) 67 ISO 868 Mechanical Nominal Value Unit Test Method Tensile Stress ISO 527-2/5/50 Yield, 3.20 mm, Injection Molded 27.0 MPa Break, 3.20 mm, Injection Molded 24.0 MPa Tensile Strain (Break, 3.20 mm, Injection Molded) 10 % ISO 527-2/5/50 Flexural Modulus ¹ (Injection Molded) 2700 MPa ASTM D790 Impact Nominal Value Unit Test Method Charpy Notched Impact Strength (23°C, Injection Molded) 4.0 kJ/m² ISO 179/1eA Notched Izod Impact Strength (23°C, Injection Molded) 3.0 kJ/m² ISO 180/4A	Additive	Impact Modifier		
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Automotive Applications Masterbatch Forms Pellets Processing Method Injection Molding Physical Nominal Value Unit Test Method Density 1.33 g/cm² ISO 1183 Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) 6.0 g/10 min ISO 1133 Hardness Nominal Value Unit Test Method Shore Hardness (Shore D, Injection Molded) 67 Unit Test Method Shore Hardness (Shore D, Injection Molded) Nominal Value Unit Test Method Test Method Test Method Mechanical Nominal Value Unit Test Method Frensile Stress ISO 527-2/5/50 WPa Break, 3.20 mm, Injection Molded 27.0 MPa Break, 3.20 mm, Injection Molded 24.0 MPa Tersile Strain (Break, 3.20 mm, Injection Molded) 10 % ISO 527-2/5/50 Flexural Modulus ¹ (Injection Molded) 2700 MPa ASTM D790 Impact Nominal Value Unit Test Method Charpy Notched Impact Strength (23°C, Injection Molded) A,0 WPa ISO 527-2/5/50 ISO 179/1eA Notched Impact Strength (23°C, Injection Molded) 3.0 KJ/m² ISO 180/4A	Features	Good UV Resistance		
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Forms Pellets Processing Method Injection Molding Physical Nominal Value Unit Test Method Density 1.33 g/cm³ ISO 1183 Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) 6.0 g/10 min ISO 1133 Hardness Nominal Value Unit Test Method Shore Hardness (Shore D, Injection Molded) 67 ISO 868 Mechanical Nominal Value Unit Test Method Tensile Stress ISO 527-2/5/50 Yield, 3.20 mm, Injection Molded 27.0 MPa Break, 3.20 mm, Injection Molded 24.0 MPa Tensile Strain (Break, 3.20 mm, Injection Molded) 10 % ISO 527-2/5/50 Flexural Modulus ¹ (Injection Molded) 2700 MPa ASTM D790 Impact Nominal Value Unit Test Method Charpy Notched Impact Strength (23°C, Injection Molded) 4.0 kJ/m² ISO 179/1eA Notched Izod Impact Strength 3.0 kJ/m²	Uses	Automotive Applications		
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Density 1.33 g/cm³ ISO 1183 Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) 6.0 g/10 min ISO 1133 Hardness Nominal Value Unit Test Method Shore Hardness (Shore D, Injection Molded) 67 ISO 868 Mechanical Nominal Value Unit Test Method Tensile Stress ISO 527-2/5/50 Yield, 3.20 mm, Injection Molded 27.0 MPa Break, 3.20 mm, Injection Molded 24.0 MPa Tensile Strain (Break, 3.20 mm, Injection Molded) 10 % ISO 527-2/5/50 Flexural Modulus ¹ (Injection Molded) 2700 MPa ASTM D790 Impact Nominal Value Unit Test Method Charpy Notched Impact Strength (23°C, Injection Molded) 4.0 kJ/m² ISO 179/1eA Notched Izod Impact Strength 3.0 kJ/m² ISO 180/4A	Processing Method	Injection Molding		
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Molded) 67 ISO 868 Mechanical Nominal Value Unit Test Method Tensile Stress ISO 527-2/5/50 Yield, 3.20 mm, Injection Molded 27.0 MPa Break, 3.20 mm, Injection Molded 24.0 MPa Tensile Strain (Break, 3.20 mm, Injection Molded) 10 % ISO 527-2/5/50 Flexural Modulus 1 (Injection Molded) 2700 MPa ASTM D790 Impact Nominal Value Unit Test Method Charpy Notched Impact Strength (23°C, Injection Molded) 4.0 kJ/m² ISO 179/1eA Notched Izod Impact Strength 3.0 kJ/m²	Hardness	Nominal Value	Unit	Test Method
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Yield, 3.20 mm, Injection Molded 27.0 MPa Break, 3.20 mm, Injection Molded 24.0 MPa Tensile Strain (Break, 3.20 mm, Injection Molded) 10 % ISO 527-2/5/50 Flexural Modulus ¹ (Injection Molded) 2700 MPa ASTM D790 Impact Nominal Value Unit Test Method Charpy Notched Impact Strength (23°C, Injection Molded) 4.0 kJ/m² ISO 179/1eA Notched Izod Impact Strength	Mechanical	Nominal Value	Unit	Test Method
Break, 3.20 mm, Injection Molded 24.0 MPa Tensile Strain (Break, 3.20 mm, Injection Molded) 10 % ISO 527-2/5/50 Flexural Modulus ¹ (Injection Molded) 2700 MPa ASTM D790 Impact Nominal Value Unit Test Method Charpy Notched Impact Strength (23°C, Injection Molded) 4.0 kJ/m² ISO 179/1eA Notched Izod Impact Strength 3.0 kJ/m²	Tensile Stress			ISO 527-2/5/50
Tensile Strain (Break, 3.20 mm, Injection Molded) 10 % ISO 527-2/5/50 Flexural Modulus ¹ (Injection Molded) 2700 MPa ASTM D790 Impact Charpy Notched Impact Strength (23°C, Injection Molded) 4.0 KJ/m² ISO 179/1eA ISO 180/4A 0°C, Injection Molded 3.0 KJ/m²	Yield, 3.20 mm, Injection Molded	27.0	MPa	
Molded) 10 % ISO 527-2/5/50 Flexural Modulus ¹ (Injection Molded) 2700 MPa ASTM D790 Impact Nominal Value Unit Test Method Charpy Notched Impact Strength (23°C, Injection Molded) 4.0 kJ/m² ISO 179/1eA Notched Izod Impact Strength 3.0 kJ/m²	Break, 3.20 mm, Injection Molded	24.0	MPa	
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Charpy Notched Impact Strength (23°C, Injection Molded) 4.0 kJ/m² ISO 179/1eA Notched Izod Impact Strength 0°C, Injection Molded 3.0 kJ/m²	Flexural Modulus ¹ (Injection Molded)	2700	MPa	ASTM D790
Injection Molded) 4.0 kJ/m² ISO 179/1eA Notched Izod Impact Strength ISO 180/4A 0°C, Injection Molded 3.0 kJ/m²	Impact	Nominal Value	Unit	Test Method
0°C, Injection Molded 3.0 kJ/m²		4.0	kJ/m²	ISO 179/1eA
	Notched Izod Impact Strength			ISO 180/4A
23°C, Injection Molded 4.0 kJ/m²	0°C, Injection Molded	3.0	kJ/m²	
	23°C, Injection Molded	4.0	kJ/m²	

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