

SABIC® PP 595A

Polypropylene Homopolymer

Saudi Basic Industries Corporation (SABIC)

Message:

SABIC®PP 595A has been specially developed for use in automotive applications. The material has outstanding flow properties and a high stiffness, enabling high production rates. It is formulated with a dedicated automotive additive package.

Application:

SABIC®PP 595A is typically used in injection moulding of automotive applications.

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

General Information			
UL YellowCard	E111275-102697678		
Additive	Unspecified additive		
Features	Rigidity, high		
	Homopolymer		
	High liquidity		
Uses	Application in Automobile Field		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	47	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	70		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1750	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	36.0	MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	9.0	%	ISO 527-2/1A/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.0	kJ/m ²	ISO 179/1eA
Notched Izod Impact (23°C)	2.5	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ¹			
0.45 MPa, not annealed	90.0	°C	ISO 75-2/Bf
1.8 MPa, not annealed	55.0	°C	ISO 75-2/Af
Vicat Softening Temperature			
--	153	°C	ISO 306/A120
--	95.0	°C	ISO 306/B120
NOTE			

1. testbar 80*10*4mm

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