SABIC® PP CPC35C

Polypropylene Copolymer

Saudi Basic Industries Corporation (SABIC)

Message:

SABIC® PP CPC35C is a block copolymer with random-like transparency. Due to its controlled morphology SABIC® PP CPC35C offers a random-like transparency combined with the block copolymer-like impact. SABIC® PP CPC35C is suited for high speed injection molding and contains an antistatic package. In addition, high gloss, very low sensitivity to stress whitening and excellent thermal properties are provided by SABIC® PP CPC35C.
SABIC® PP CPC35C offers added value to various segments, such as thin wall packaging, caps & closures, pails & containers, appliances and toys.
The product mentioned herein is in particular not tested and therefore not validated for use in pharmaceutical/medical applications.

General Information			
UL YellowCard	E111275-100605365		
Additive	Antistatic Clarifier		
Features	Antistatic Block Copolymer Good Impact Resistance High Clarity High Gloss Stress Whitening Resistant		
Uses	Appliances Caps Closures Containers Pails Thin-walled Packaging Toys		
UL File Number	E111275		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.905	g/cm^3	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	33	g/10 min	ASTM D1238, ISO 1133
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	92		ASTM D785
Shore Hardness (Shore D)	63		ISO 868
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus			

1% Secant [1]	1150	MPa	ASTM D638
--	1100	MPa	ISO 527-2/1A/1
Tensile Strength			
Yield [2]	27.0	MPa	ASTM D638
Yield	27.0	MPa	ISO 527-2/1A/50
Tensile Elongation			
Yield [3]	11	%	ASTM D638
Yield	11	%	ISO 527-2/1A/50
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179/1eA
0°C	3.0	kJ/m²	
23°C	7.0	kJ/m²	
Notched Izod Impact			
0°C	40	J/m	ASTM D256A
23°C	60	J/m	ASTM D256A
0°C	4.0	kJ/m²	ISO 180/1A
23°C	6.0	kJ/m²	ISO 180/1A
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			
0.45 MPa, Unannealed	80.0	°C	ASTM D648
0.45 MPa, Unannealed [4]	75.0	°C	ISO 75-2/Bf
1.8 MPa, Unannealed	55.0	°C	ASTM D648
1.8 MPa, Unannealed [5]	50.0	°C	ISO 75-2/Af
Vicat Softening Temperature			
--	140	°C	ASTM D1525, ISO 306/A120 6 [6]
--	70.0	°C	ASTM D1525, ISO 306/B120 7 [7]
Additional Information	**Nominal Value**		**Test Method**
Transparency (1.60 mm)	> 35.0		Internal Method
NOTE			
1.	5.0 mm/min		
2.	50 mm/min		
3.	50 mm/min		
4.	testbar 80*10*4mm		
5.	testbar 80*10*4mm		
6.	Rate B (120°C/h), Loading 1 (10 N)		
7.	Rate B (120°C/h), Loading 2 (50 N)		

Recommended distributors for this material

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