SABIC® PP CX04-82

Polypropylene

Saudi Basic Industries Corporation (SABIC)

Message:

SABIC® PP CX04-82 is an emission optimised high flowing high crystalline copolymer. Its very high flow and highly isotropic behaviour permits fast cycle-times and injection moulding of large articles demanding low warpage and high dimensional stability. Typical applications are automotive interior components.
SABIC® PP CX04-82 is a designated automotive grade

General Information			
Additive	Nucleating Agent UV Stabilizer		
Features	Copolymer Crystalline Fast Molding Cycle Good Dimensional Stability Good UV Resistance High Flow Low Warpage Nucleated		
Uses	Automotive Applications Automotive Interior Parts		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.905	g/cm³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	40	g/10 min	ASTM D1238, ISO 1133
Molding Shrinkage			Internal Method
Flow : 24 hr	1.4	%	
24 hr	1.4	%	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness (Shore D)	64		ISO 868
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus			
1% Secant : Injection Molded [1]	1600	MPa	ASTM D638
Injection Molded	1500	MPa	ISO 527-2/1A/1
Tensile Strength			
Yield, Injection Molded [2]	26.0	MPa	ASTM D638

Yield, Injection Molded	26.0	MPa	ISO 527-2/1A/50
Tensile Elongation			
Yield, Injection Molded [3]	4.0	%	ASTM D638
Yield, Injection Molded	4.0	%	ISO 527-2/1A/50
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179/1eA
0°C, Injection Molded	6.0	kJ/m^2	
23°C, Injection Molded	8.0	kJ/m^2	
Notched Izod Impact			
-20°C, Injection Molded	50	J/m	ASTM D256A
0°C, Injection Molded	70	J/m	ASTM D256A
23°C, Injection Molded	90	J/m	ASTM D256A
-20°C, Injection Molded	4.0	kJ/m^2	ISO 180/1A
0°C, Injection Molded	6.0	kJ/m^2	ISO 180/1A
23°C, Injection Molded	8.0	kJ/m^2	ISO 180/1A
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature			
--	150	°C	ASTM D1525, ISO 306/A120 4 [4]
--	78.0	°C	ASTM D1525, ISO 306/B120 5 [5]
Additional Information	**Nominal Value**	**Unit**	**Test Method**
Emission	< 50.0	µgC/g	VDA 277
NOTE			
1.	5.0 mm/min		
2.	50 mm/min		
3.	50 mm/min		
4.	Rate B (120°C/h), Loading 1 (10 N)		
5.	Rate B (120°C/h), Loading 2 (50 N)		

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China


WECHAT