SABIC® PP 95610

Polypropylene

Saudi Basic Industries Corporation (SABIC)

Message:

SABIC® PP 95610 is a reactor-elastomer-modified material which offers an excellent cold impact resistance. It is a highly attractive alternative to non-filled compounds and is commonly used for car bumpers.
SABIC® PP 95610 is a designated automotive grade.

General Information			
Additive	Impact Modifier		
Features	Impact Modified Low Temperature Impact Resistance Ultra High Impact Resistance		
Uses	Automotive Applications Automotive Bumper		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.900	g/cm³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0	g/10 min	ASTM D1238, ISO 1133
Molding Shrinkage			Internal Method
Flow : 24 hr	1.5	%	
24 hr	1.5	%	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness (Shore D)	50		ISO 868
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus			
1% Secant : Injection Molded [1]	950	MPa	ASTM D638
Injection Molded	850	MPa	ISO 527-2/1A/1
Tensile Strength			
Yield, Injection Molded [2]	18.0	MPa	ASTM D638
Yield, Injection Molded	18.0	MPa	ISO 527-2/1A/50
Tensile Elongation			
Yield, Injection Molded [3]	9.0	%	ASTM D638
Yield, Injection Molded	9.0	%	ISO 527-2/1A/50
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179/1eA
0°C, Injection Molded	No Break		

23°C, Injection Molded	No Break		
Notched Izod Impact			
-20°C, Injection Molded	No Break		ASTM D256A
0°C, Injection Molded	No Break		ASTM D256A, ISO 180/1A
23°C, Injection Molded	No Break		ASTM D256A, ISO 180/1A
-20°C, Injection Molded	45	kJ/m^2	ISO 180/1A

Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature			
--	125	°C	ASTM D1525, ISO 306/A120 4 [4]
--	49.0	°C	ASTM D1525, ISO 306/B120 5 [5]

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

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