

VELVEX™ 5250 SC

Reinforced Elastomer Resin

Trinseo

Message:

VELVEX™ 5250 is a reinforced elastomer/ PP compound which provides a unique property balance of good stiffness, impact and high heat resistance in combination with a pleasant soft touch, low CLTE and easy processing. Very uniform low gloss is achieved in combination with outstanding scratch and mar resistance. VELVEX™ 5250 is either available:
as factory coloured VELVEX™ 5250 ESU or
as natural VELVEX™ 5250 SC Natural in combination with the colour concentrate CC REUV4%.

General Information			
Features	Good Impact Resistance		
	Good Processability		
	Good Stiffness		
	High Heat Resistance		
	Low Gloss		
	Scratch Resistant		
	Soft		
Appearance	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.07	g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ISO 1133
Molding Shrinkage	0.20 to 0.60	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2900	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	45.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	9.0	%	ISO 527-2
Flexural Modulus			ISO 178
23°C ¹	1800	MPa	
23°C	3100	MPa	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	11	kJ/m ²	
23°C	34	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	85.0	°C	ISO 75-2/A
Vicat Softening Temperature	145	°C	ISO 306/A120
CLTE - Flow	4.5E-5	cm/cm/°C	ASTM D696

NOTE

1. Average on molded plaque

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Recommended distributors for this material

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