VELVEX™ 5250 SC
Reinforced Elastomer Resin

Overview

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%.

Physical	Nominal Value	(English)	Nominal Value	(SI)	Test Method
Density	1.07	g/cm³	1.07	g/cm³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	12	g/10 min	ISO 1133
Molding Shrinkage	2.0E-3 to 6.0E-3	in/in	0.20 to 0.60	%	ISO 294-4
Mechanical	**Nominal Value**	**(English)**	**Nominal Value**	**(SI)**	**Test Method**
Tensile Modulus (73°F (23°C))	421000	psi	2900	MPa	ISO 527-2
Tensile Stress (Yield, 73°F (23°C))	6530	psi	45.0	MPa	ISO 527-2
Tensile Strain (Break, 73°F (23°C))	9.0	%	9.0	%	ISO 527-2
Flexural Modulus					ISO 178
73°F (23°C)	450000	psi	3100	MPa	
73°F (23°C) [1]	261000	psi	1800	MPa	
Impact	**Nominal Value**	**(English)**	**Nominal Value**	**(SI)**	**Test Method**
Charpy Notched Impact Strength					ISO 179/1eA
-22°F (-30°C)	5.2	ft·lb/in²	11	kJ/m²	
73°F (23°C)	16	ft·lb/in²	34	kJ/m²	
Thermal	**Nominal Value**	**(English)**	**Nominal Value**	**(SI)**	**Test Method**
Heat Deflection Temperature					ISO 75-2/A
264 psi (1.8 MPa), Unannealed	185	°F	85.0	°C	
Vicat Softening Temperature	293	°F	145	°C	ISO 306/A120
CLTE - Flow	2.5E-5	in/in/°F	4.5E-5	cm/cm/°C	ASTM D696