

PCA 638

Blend PC-ABS

Provisional data sheet

Koblend® PCA 638 is a high impact, high thermal resistant PC/ABS compound.

Applications

Koblend® PCA 638 is specifically designed for:

- automotive.

Typical processing data

Injection moulding:

- dry for 2 - 4h at 110°C
- melt temperature 240-280°C

Extrusion:

- dry for 2 - 4h at 110°C
- melt temperature 240-280°C

Certification

Storage

- ⚠ Store away from atmospheric agents and direct sunlight, away from sources of heat and light.
- 🕒 The product, if stored correctly, keeps its characteristics for at least fifteen months.

General information

Koblend® PCA 638 is available in different shades:

- natural
- black version (internal code 39064).

For further information, please contact Versalis directly writing to info.styrenics@versalis.eni.com.

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Property	Test Conditions	Test method	Units	Values
General				
Density	-	ISO 1183	g/cm ³	1,13
Rheological				
Melt flow rate	260°C - 5kg	ISO 1133	g/10'	15
Mechanical				
Tensile strain at break	50 mm/min	ISO 527	%	55
Tensile stress at break	50 mm/min	ISO 527	MPa	43
Tensile stress at yield	50 mm/min	ISO 527	MPa	50
Flexural strength	2 mm/min	ISO 178	MPa	74
Rockwell hardness	L/M	ISO 2039/2	-	L 86
Tensile modulus	1 mm/min	ISO 527	MPa	2450
Izod impact strength, notched	-30°C - 4mm	ISO 180/1A	kJ/m ²	20
Izod impact strength, notched	+23°C - 4mm	ISO 180/1A	kJ/m ²	47
Thermal				
Deflection temperature under load (annealed)	0,45 MPa - 120°C/h	ISO 75 B	°C	119
Deflection temperature under load (annealed)	1,82 MPa - 120°C/h	ISO 75 A	°C	102
Vicat softening temperature	50 N - 120°C/h	ISO 306/B 120	°C	125

Please consult the relevant safety data sheet for more detailed information.

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