

Advanced Materials**Euremelt® 3413 Black****DATA SHEET**

Hot Melt Adhesive		
Copolyamide		
Applications	Black thermoplastic polyamide hot melt adhesive for casting of electrical devices by low pressure injection moulding	
Properties	High flexibility, also at low temperature; good demoulding properties Good adhesion to different materials like PVC and other plastics	
Key data	Specified key data	
	Amine value (ISO 9702)	≤ 3 [mg KOH/g]
	Acid value (ISO 2114)	≤ 10 [mg KOH/g]
	Softening point R+B (ISO 4625)	150 - 160 [°C]
	Melt viscosity at 210 °C (ISO 2884)	2,8 – 4,0 [Pa s]
	Specified key data are individually checked throughout and guaranteed.	
	Typical key data	
	Open time – on paper at 23 °C (application temperature: 200 °C)	6 - 10 [sec.]
	Open time – canal method at 23 °C (application temperature: 200 °C)	20 - 28 [sec.]
	Setting time – on Nora-Testrubber at 23 °C (application temperature: 200 °C)	1 - 3 [sec.]
	Shore-hardness at 23 °C (according to DIN ISO 7619)	86 Shore - A 28 Shore - D
	Melt viscosity at 200 °C (ISO 2884)	4 [Pa s]
	Low temperature flexibility (according to ASTM D 3111)	-35 [°C]
	Tensile test at 23°C (according to DIN EN ISO 527)	
	- tensile strength	≥ 4 [N/mm ²]
	- elongation at tensile strength	≥ 250 [%]
	Dielectric constant	3,5 [1 Mhz]
	Specific resistance at 24 °C	3 x 10 ¹² [Ω cm]
	Dielectric strength	23 [kV/mm]
	Tracking resistance	CTI 600 Test solution A

Water absorption at 23 °C (according to DIN EN ISO 62)		
after 24 hours	0,7	[%]
after 4 days	1,5	[%]
after 14 days	2,35	[%]
after 28 days	2,75	[%]
Application temperature	180 - 220	[°C]
As-supplied form	granulate	
Colour	black	
Shelf life at storage temperature between 2 - 40 °C see expiry date on original container	2 years	
Hazardous decomposition products (when disposed of in fire)	carbon monoxide, carbon dioxide, nitrogen oxides and other toxic gases and vapours	
Disposal	regular procedures approved by local authorities	
Typical key data are spot checked; the values are typical for the product and are indicated for information only. The values are not guaranteed.		

Storage	Euremelt® 3413 Black should be stored in a dry place, preferably in the sealed original packaging, at temperatures between 2 and 40 °C. The product should not be stored exposed to direct sunlight.
Handling precautions	Mandatory and recommended industrial hygiene procedures should be followed whenever our products are being handled and processed. For additional information please consult the corresponding product safety data sheets.

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