AKRO-PLASTIC GmbH
Member of the Feddersen Group

Prices for laboratory tests

Accredited Laboratory
DIN EN ISO/IEC 17025

REG. NR. 2288
ISO / TS 16949
ISO 14001

DAkkS
Deutsche
Akkreditierungsstelle
D-PL-14280-01-00

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Valid from 05/2011

Pos.	Test	Unit	Norm	Price (€)
General properties				
100	Density	g/cm³	DIN EN ISO 1183-1	30
101	Accelerated Conditioning	%	DIN EN 1110	100
102	Residual humidity	%	DIN EN ISO 15512 - B	50
103	Bulk density	g/l	DIN EN ISO 60	15
104	Injection molding (plaques/specimens)	h	-	120€/h
105	Mold shrinkage	%	ISO 294-4	110
106	Water absorption	%	ISO 62	75
Mechanical properties				
121	Charpy notched impact strength	kJ/m²	DIN EN ISO 179-1/1eA	60
122	Charpy impact strength	kJ/m²	DIN EN ISO 179	50
123	IZOD notched impact strength	kJ/m²	ISO 180 An	60
124	IZOD impact strength	kJ/m²	ISO 180 U An	50
125	Shore-A-hardness	-	DIN EN ISO 868	15
126	Shore-D-hardness	-	DIN EN ISO 868	15
Tensile test (Pos. 140 or 141-146)				100
140	Nominal strain at break	%	DIN EN ISO 527-2	-
141	Tensile strain at yield	%	DIN EN ISO 527-2	-
142	Tensile stress at yield	MPa	DIN EN ISO 527-2	-
143	Tensile modulus	MPa	DIN EN ISO 527-2	-
144	Tensile strength	MPa	DIN EN ISO 527-2	-
145	Tensile strain at break	%	DIN EN ISO 527-2	-
146	Tensile stress at break	MPa	DIN EN ISO 527-2	-
147	Temperature-dependent from 23°C to 200°C			120
148	Temperature-dependent from -40°C to 23°C			150
Flexural test				100
155	Flexural strain	%	DIN EN ISO 178	
156	Flexural stress	MPa	DIN EN ISO 178	
157	Flexural strength	MPa	DIN EN ISO 178	
158	Flexural modulus	MPa	DIN EN ISO 178	
Thermal properties				
170	DSC-Melting point/ Crystallisation point	°C	DIN EN ISO 11357	120
171	Thermogravimetry	%	DIN EN ISO 11358	120
172	Carbon black content (Rademacher-method)	%	35.08.29	75
173	Ash content	°C	DIN EN ISO 1172	50
174	VICAT B50	°C	DIN EN ISO 306	100
175	Heat deflection temperature HDT/A	°C	DIN EN ISO 75-1-A	100
176	Heat deflection temperature HDT/B	°C	DIN EN ISO 75-1-B	100
177	Heat deflection temperature HDT/C	°C	DIN EN ISO 75-1-C	100

Pos.	Test	Unit	Norm	Price (€)
Rheological properties				
201	MFR	g/10 min	DIN EN ISO 1133 MFR	40
202	MVR	cm^3/10 min	DIN EN ISO 1133 MVR	40
203	Viscosity number PA	ml/g	DIN EN ISO 307 PA	100
204	Viscosity number PET/PBT	ml/g	DIN ISO 1628-5	100
Optical properties				
210	Color L*	-	35.08.12	10
211	Color a*	-	35.08.12	10
212	Color b*	-	35.08.12	10
213	Color delta a	-	35.08.12	10
214	Color delta b	-	35.08.12	10
215	Color delta E	-	35.08.12	10
216	Color delta L	-	35.08.12	10
217	Size of carbon black agglomerate	µm	35.08.25	100
218	Black Speck Analysis (quantity/dimension)		34.08.61	50
Electrical properties				
230	Volume resistivity	Ω x cm	IEC 60093	50
231	Surface resistivity	Ω	IEC 60093	50
232	CTI/comparative tracking indice	-	IEC 60112	600
Flammability				
240	Flammability UL 94 (cond. 168h/70°C)	class	35.08.13	70
241	Flammability UL 94 (cond. 48h/23°C/50%RH)	class	35.08.13	50
242	Flammability UL 94 HB	class	35.08.14	50
243	Burning rate acc. FMVSS 302 (<100mm/min)	mm/min	ISO 3795	100
244	GWFI	°C	IEC 60695-2-12	50
245	GWIT	°C	IEC 60695-2-13	50
Flammability				
250	FTIR-Spectroscopy	-	-	100
260	Gas Chromatography	-	-	T&M basis
270	HPLC	-	-	T&M basis
Test report				
999	Test report according to DIN EN IEC 17025		DIN EN IEC 17025	120