

Component - Plastics

E245249

**LANXESS AG**

GEBAUDE R33, RHEINUFER STR 7-9, KREFELD 47829 DE

**BKV30+, BKV30EF+, BKV30SQ+, BKV35+, BKV30Q+**

Polyamide 6 (PA6), "DURETHAN", furnished as pellets

Color	Min Thk (mm)	Flame Class	HWI	HAI	RTI Elec	RTI Imp	RTI Str
ALL	0.75	HB	-	-	-	95	130
	1.0	HB	-	-	130	95	130
	1.5	HB	4	0	130	95	130
	3.0	HB	4	0	140	95	140
	6.0	HB	4	0	140	95	140

Comparative Tracking Index (CTI): **1**

Dimensional Stability (%): **0.0**

High-Voltage Arc Tracking Rate (HVTR): **1**

High Volt, Low Current Arc Resis (D495): **6**

Dielectric Strength (kV/mm): **30**

Volume Resistivity (10xohm-cm): **14**

**+ - Material designations may be followed by suffix numbers and/or letter(s) denoting color.**

UL94 small-scale test data does not pertain to building materials, furnishings and related contents. UL94 small-scale test data is intended solely for determining the flammability of plastic materials used in the components and parts of end-product devices and appliances, where the acceptability of the combination is determined by ULI.

Report Date: 1969-11-12  
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**IEC and ISO Test Methods**

Test Name	Test Method	Units	Thickness Tested (mm)	Value
IEC Flammability	IEC 60695-11-10	Class (color)	0.75	HB75 (ALL)
			1.0	HB75 (ALL)
			1.5	HB75 (ALL)
			3.0	HB40 (ALL)
			6.0	HB40 (ALL)
Glow-Wire Flammability (GWFI)	IEC 60695-2-12	C	-	-
Glow-Wire Ignition (GWIT)	IEC 60695-2-13	C	-	-
IEC Comparative Tracking Index	IEC 60112	Volts (Max)	-	-
IEC Ball Pressure	IEC 60695-10-2	C	-	-
ISO Heat Deflection (1.80 MPa)	ISO 75-2	C	-	-
ISO Tensile Strength	ISO 527-2	MPa	-	-
ISO Flexural Strength	ISO 178	MPa	-	-
ISO Tensile Impact	ISO 8256	kJ/m2	-	-
ISO Izod Impact	ISO 180	kJ/m2	-	-
ISO Charpy Impact	ISO 179-2	kJ/m2	-	-

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