



PROJECT ENGINEERING



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Dear Steve

With reference to your request for information on the materials used to produce the Top & Bottom shell, please find below the information I have managed to ascertain.

SLCC-TP-BL3136 is an A.B.S. material manufactured by GE Plastics in the U.S.A. for the American market and is not available in Europe. The nearest GE grade available in Europe is Cicolac CPM 5500, which is a multi purpose injection moulding grade for components used in the telecommunications, domestic and office equipment sector of the market.

HF660I/CMR272 is an A.B.S. material manufactured by Plastex in the U.K. a recent acquisition of the B.I.P. group. Again this is a multi purpose grade used in the manufacture of components for the domestic, electrical and office equipment market. The Plastex material is slightly stiffer and harder than the Cicolac grade.

There is a supplier of A.B.S. to be found locally (Prime Polymers) who could produce a material to match the one provided by Plastex, this would be compounded at their works to match HF660I/CMR272. The base material is made by Kuhmo Chemicals in Korea and is the same CAS No 9003-56-9 as both the Plastex and Cicolac materials and should exhibit the same physical properties. The Kuhmo material is tested using different methods so it is difficult to quantify.

Ultem 1010 is produced in the U.S.A. for the American market and is not generally available in the U.K. but can be ordered as a special request from GE Plastics. This material is a high spec polymer with very good resistance to heat and chemicals; a booklet is enclosed for your perusal. Talking to moulders in general it is a difficult material to mould requiring high temperatures i.e. 380°C melt temperature and fully hard tools with heaters fitted. Ultem is also a rather expensive material at £14.00 per kg (A.B.S. is about £2.00 kg). There are alternative manufacturers of Polyetherimide resin (Ultem) and if you wish we could look at these alternative manufacturers but the cost and processing difficulties could prove prohibitive.

Relevant data sheets and brochures enclosed

Yours Faithfully

Brian Walsh