



Clickoplastics AG  
Postfach 1129, D-64625 Bensheim  
Tel.: +49 (6251) 770690-0 / Fax: +49 (6251) 770690-99  
E-Mail: info@clickoplastics.com / www.clickoplastics.com

**Product Description : SanpoFR™ TPE**  
**Product Brand : IFR73AB-2M**

**Features :**

Sanpo IFR73AB-2M is the black granular TPE material of low smoke and unhalogen, Excellent flame resistance can make the cable production pass UL94-V0 easily. The production of cable have good surface after environmental testing. No frosting and other serious defect like other wire. Environmental safety of flame retardants, completely avoided harmful substances such as the involvement of halogen(PBDE、PBB and other halogen-containing material) and Cr、Cd、Hg、Pb. All production in full compliance with ROHs directive.

**Mechanical/Physical/Flame Properties :**

**Property Test Method Value Unit Property Test Method Value Unit**

Color -- Black

Tensile Strength at 10% Elongation ASTM D412 <2.5 %

Hardness, 15 s delay ASTM D2240 78 ShoreA

Tensile Strength at100% ElongationASTM D412 >3 %

Specific Gravity ASTM D792 1.25 g/cm³ Method ofproduction

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**Injectionmolding**

Melt Flow Rate: ( 230°C/5kg ) ASTM D1238 20 g/10min

Flame-retardant level UL94 V0

Tensile Strength ASTM D412 >5 MP

BrittlenessTemperature-- -30 ~ 90 °C

Elongation at Break ASTM D412 >400 % Mold Shrinkage ASTM D-955 1.0 %

• Typical data from laboratories; not to be construed as specifications.

**Injection Molding Processing Properties :**

Drying Temp/time 80°C/2h Rear Temp 160 to 170 °C

Melt Temp 180 to 200 °C Hopper Temp 160 to 180 °C

Nozzle Temp 190 to 200 °C Mold Temp 30 to 50 °C

Front Temp 180 to 195 °C Injection Speed Medium

Middle Temp 170 to 180 °C Purging compounds for screws PP/PE

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