

ITECircles Solution

Zhejiang Circleblend New Material Technology Co., Ltd



Official WeChat QR Code



202603_V1.0



Smartphone in the box

Grade:

rPABlend® PA6-G30(HRV00)-NA PCR 0%
rPABlend® PA6-G30(HRG00)-BK001 PCR 65%

Features:

30%GF reinforced, high impact, good surface, chemical resistance

Key performance:

IZOD>16KJ/m², MF 7800MPa, HDT 200°C



Flat Casing

Grade:

rPCBlend® PC-N00(FRV10)-NA PCR 0%
rPCBlend® PC-N00(FRJ10)-WH003 PCR 95%

Features:

Silicon toughened low temperature flame retardant weather resistance, crack resistance, chemical resistance, high flow

Key performance:

1.5mm V0, 1ZOD(-20°C)>30KJ/m²
IZOD(23°C)>50KJ/m², MFR>15g/10min



Flat rear shell

Grade:

rPCBlendR PC-N00(FRV10)-NA PCR 0%
rPCBlendR PC-N00(FRJ10)-WH003 PCR 95%

Features:

Silicon toughened, low temperature flame retardant, chemical resistant, crack resistant

Key performance:

1.5mm V0, 1ZOD(-20°C)>30KJ/m²
IZOD(23°C)>50KJ/m²

Grade:

rAlloyBlend® PC/ABS-T10(FR01V70)-NA PCR 0%
rAlloyBlend® PC/ABS-T10(FR01h70)-BK001 PCR 70%

Features:

Halogen-free flame retardant, weather-resistant, anti-cracking, chemical resistance, high modulus, high strength

Key performance:

1.5mm V0, HDT 110°C, IZOD≥25KJ/m²



Laptop back case

Grade:

rAlloyBlend® PC/ABS-T10(FR01V70)-NA PCR 0%
rAlloyBlend® PC/ABS-T10(FR01h70)-BK001 PCR 70%

Features:

Halogen-free flame retardant, weather resistance, cracking resistance, chemical resistance, high modulus, high strength

Key performance:

1.5mm V0, HDT 110°C, 1ZOD≥30KJ/m²

Grade:

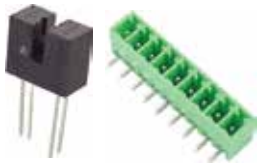
rPClend® PC-T10(FRV10)-NA PCR 0%
rPClend® PC-T10(FRI10)-WH001 PCR 85%

Features:

Silicon toughened low temperature flame retardant, chemical resistance, cracking resistance, high modulus, high strength

Key performance:

1.5mm V0, 1ZOD(-20°C)≥20KJ/m²
IZOD(23°C)>30KJ/m², HDT 120°C



TV PCB Slot/Terminal

Grade:
rPABlend® PA66-G25(FRV00)-NA PCR 0%
rPABlend® PA66-G25(FRF00)-BK001 PCR 50%

Features:
25%GF reinforced, high strength, halogen-free flame retardant good electrical performance

Key performance:
CTI>600V, 1.5mm VO



TV Stand

Grade:
rPABlend® PA66-G30(HRV00)-NA PCR 0%
rPABlend® PA66-G30(HRF00)-BK001 PCR 45%

Features:
30%GF reinforced, high strength, good surface, high impact

Key performance:
IZOD>15KJ/m², MF 8500MPa, HDT 240°C



TV Rear Housing And
Monitor Rear Housing

Grade:
rAlloyBlend® PC/ABS-T10(FR01V80)-NA PCR 0%
rAlloyBlend® PC/ABS-T10(FR01I80)-BK001 PCR 80%

Features:
25%GF reinforced, high strength, halogen-free flame retardant good electrical performance

Key performance:
CTI>600V, 1.5mm VO

Grade:
rHIPSBlend® HIPS-N00(HRV01)-NA PCR 0%
rHIPSBlend® HIPS-N00(HRJ01)-BK001 PCR 90%

Features:
Environmental protection, high strength, good surface, high impact

Key performance:
IZOD>8KJ/m²



Tv Front Frame

Grade:
rABSBlend® ABS-N00(HRV01)-NA PCR 0%
rABSBlend® ABS-N00(HRJ01)-BK001 PCR 90%

Features:
High modulus, high strength, high light, good surface, high impact

Key performance:
IZOD>15KJ/m²



TV front frame and
monitor front frame

Grade:
rPCBlend® PC-N00(FRV10)-NA PCR 0%
rPCBlend® PC-N00(FRJ10)-BK001 PCR 95%

Features:
Silicon toughened low temperature flame retardant, high flow, cracking resistance, chemical resistance, high light

Key performance:
IZOD>15KJ/m²

