



TPE – 55D – COPE

Physical properties

Density
 Melt flow rate (MFR)
 MFR test temperature
 MFR test load

ValueUnit
1230 kg/m³
8.7 g/10 min
250 °C
2.16 kg

Test Standard
 ISO 1183
 ISO 1133
 ISO 1133
 ISO 1133

Mechanical properties

Tensile modulus (1mm/min)
 Tensile stress at 50% strain (50mm/min)
 Tensile stress at break (50mm/min)
 Tensile strain at break (50mm/min)
 Charpy notched impact strength @ 23°C
 Shore hardness D scale 15 sec value

ValueUnit
360 MPa
14 MPa
16 MPa
250 %
13.0 kJ/m²
55 -

Test Standard
 ISO 527-2/1A
 ISO 527-2/1A
 ISO 527-2/1A
 ISO 527-2/1A
 ISO 179/1eA
 ISO 868

Thermal properties

Melting temperature (10°C/min)
 Flammability at thickness h
 thickness tested (h)

ValueUnit
200 °C
V-0 class
1.5 mm

Test Standard
 ISO 11357-1,-2,-3
 UL94
 UL94

Electrical properties

Electric strength
 Comparative tracking index CTI

ValueUnit
15 kV/mm
>600 -

Test Standard
 IEC 60243-1
 IEC 60112