



AXPOLY® ABS52 1007

Product information sheet: Black ABS resin grade made from 100% End of Life Vehicles (ELV)

Description: This recycled polymer is a high quality injection moulding compound suitable for complex technical shapes and load bearing parts with good surface finish. Example applications are engineering components in construction products and durable vehicle parts. This grade is 96% post-consumer polymer blended with additives to improve the material properties.

Export tariff code: 3903300000

Product physical properties

Product grade: Axpoly® ABS52 1007

| Test parameter | Method | Unit | Value |
|---------------------------------------|----------|-------------------|-------|
| Physical properties | | | |
| Density | ISO 1183 | g/cm ³ | 1.075 |
| Rheological properties | | | |
| Melt Flow (10 kg @ 220°C) | ISO 1133 | g/10mins | 22 |
| Mechanical properties | | | |
| Tensile strength (@ 23°C) | ISO 527 | MPa | 37 |
| Flexural Modulus (@ 23°C) | ISO 178 | MPa | 2750 |
| Notched Izod Impact strength (@ 23°C) | ISO 180 | kJ/m ² | >5.0 |

Please note this polymer is not approved for use in food, medical or toy applications. All grades are tested to ISO standards, and certified as ROHS and REACH compliant.

All Axpoly polymers are tested and have proven to be well below the permitted POPs levels of 500ppm for articles and mixtures, and do not contain phthalates.



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