AXION POLYMERS

AXPOLY® ABS52 1013

Product information sheet: Black ABS resin grade made from post consumer polymer

Description: This recycled polymer is a high quality injection moulding compound with improved impact strength 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 94% post-consumer polymer blended with additives to improve the material properties.

Product physical properties

Product grade: Axpoly® ABS52 1013

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	40
Flexural Modulus (@ 23°C)	ISO 178	MPa	3000
Notched Izod Impact strength (@ 23°C)	ISO 180	kJ/m^2	>8.0

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.

LRQA CERTIFIED ISO 9001

The data is provided as a guide only and does not create any liability, warranty or guarantee of performance. The values may vary from the above information and do not indicate specific limits. This document does not create any liability, warranty or guarantee of product performance. It is the buyer's responsibility to determine the suitability of the material for the end application.

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