

## PRIME 6000R VC

Our Prime 6000R VC is a recycled, environmentally friendly, general-purpose ABS (Acrylonitrile-Butadiene-Styrene) sheet with a co-extruded Virgin cap. This product is designed for general thermoforming applications.

**Offers good impact strength, and good hot strength for thermoforming.**

### Customisation

All Primex grades are formulated with the user in mind, and various modifications for products are possible.

Primex has a PRIME grade suitable for your application. Please get in touch with your usual Primex contact to discuss

Prime 6000R VC ABS can be colour matched to meet your specific requirements.

### Sustainability

Sustainability includes considering the product's circularity or end of life during the design of the finished product. Prime 6000R VC ABS (recycle code 7) can be recycled as a post-industrial or post-consumer product..

**Primex Sustainability: A better tomorrow, starting today!**



# PRIME 6000R VC ABS | Data Sheet

Prime 6000R VC ABS is an amorphous thermoplastic material and therefore, processes easier than some other thermoplastic materials.

## Applications

Prime 6000R VC ABS may be used for interior applications such as appliance parts, tub/shower surrounds, pick-up truck caps, boat accessories, and automotive trim parts. With the addition of a weatherable cap it may also be used in many outdoor application.

## Finishing

Prime 6000R VC ABS may be joined with machine screws, bolts, nuts, rivets, and spring steel fasteners. Thread cutting or thread-forming screws is an economical means of securing separate joints. Formed parts may be joined with Methylene Chloride if maximum impact strength is not required. Press and snap techniques, and sonic welding may also be used for the bonding of Prime 6000R VC ABS.

## Colours, Textures, and Capabilities

Prime 6000R VC ABS is available in thicknesses from 1mm-6mm. Textures include; pinseal, balmoral, smooth.

Property	Standard	Unit	Value
Melt Volume Rate 230 °C 3.8 kg	ISO 1133	g/10min	2.2
Density	ASTM D792	g/cm3	1.06
Heat Deflection Temp	ASTM D648 Method A @ 264 psi	°C	89
Vicat Softening Temp	ASTM D1525	°C	129
Tensile Strength	ASTM D638 (50 mm/min)	N/mm2	30 to 36
Tensile Elongation @ Break	ASTM D638 (50 mm/min)	%	68 to 72
Tensile Strength	ISO 3795 (50 mm/min)	N/mm2	30 to 34
Tensile Elongation @ Break	ISO 3795 (50 mm/min)	%	25 to 29
Flexural Modulus	ASTM D790	N/mm2	1900 to 2000
Flexural Strength	ASTM D790	N/mm2	45 to 50
Notched Izod	ASTM D256	Ft-lb/in	3 to 3.5(PB)
Burn Rate	ISO 3795	mm/min	24 to 32

Prime 6000R VC ABS	Very High	High	Avg.
Impact Strength		*	
Low Temperature Impact Strength			*
Tensile Strength		*	
Flexural Modulus		*	
Heat Deflection Temperature		*	