

### **Microtuff® 6010 UV**

Microtuff® 6010 UV is a hexene copolymer, linear low density polyethylene powder for rotational moulding applications. All stabilisers and pigments used in this grade are specifically selected to cope with the demanding processing conditions associated with rotational moulding.

Microtuff® 6010 UV is ideal for use in intricate mouldings that require excellent flow properties. Typical applications include automotive air ducts and fenders, playground equipment and control boxes.

Microtuff® 6010 UV is UV stabilised for outdoor use in Australian conditions.

Microtuff® 6010 UV in natural and water tank colours meets the requirements of AS 2070 for food contact. End use, volume and food type restrictions may apply. All pigments used in water tank colours are free of heavy metals. For Food and potable water status on other colours please contact your Price Plastics representative.

Physical Properties <sup>1</sup>			
Property	Test method	Value <sup>2</sup>	Unit
Melt Flow Index 190°C, 2.16 kg	ASTM D1238	10.0	g/10 min
Density	ASTM D1505	0.930	g / cm <sup>3</sup>
ESCR (100% Anterox, condition A)	ASTM D1693	700	hrs
Tensile Strength @ Yield <sup>3</sup>	ASTM D 638	15	MPa
Flexural Modulus (Young's)	ASTM D790	408	MPa
Shore D Hardness	ASTM D2240	52	-
Heat Deflection Temperature	ASTM D648		
	@ 0.45 MPa	68	° C
	@ 1.82 MPa	34	° C

<sup>1</sup> Base resin properties as stated by the raw material manufacturer for virgin material

<sup>2</sup> typical values only – not to be construed as specifications

<sup>3</sup> At 50 mm/min crosshead speed

This information is offered for your consideration and verification and should not be construed as a warranty or representation. Price Plastics Pty Ltd assumes no legal liability, except to the extent that such liability is imposed by legislation and cannot be excluded. The values are the results of testing on representative samples - the product supplied may not conform in all respects. The tests are based on natural resin, the addition of pigments and/or additives to the base resin may effect some properties.

When using this product you must establish for yourself the suitability of the product and the best production method and tests to ensure the uniformity and quality of your product in compliance with the law.

A Material Safety Data Sheet is available for this product.