

### **Microtuff® 6100 UV**

Microtuff® 6100 UV is a hexene copolymer, linear low density polyethylene powder for rotational moulding applications. All stabilisers and pigments contained in this grade were designed to cope with the demanding processing conditions associated with rotational moulding.

Microtuff® 6100 UV is ideally suited for use in water tanks, chemical tanks, kayaks, materials handling and a wide range of other moulding applications.

Microtuff® 6100 UV provides excellent toughness and stiffness combined with a high ESCR and chemical resistance. It is UV stabilised for use in outdoor applications.

Microtuff® 6100 UV in a wide range of tank colours has been issued with Type Test certificates for compliance with AS4766:2006. In natural and tank colours, it meets the requirements of AS/NZS 4020 for use with potable water and AS 2070 for food contact. End use, volume and food type restrictions may apply. For details on AS4766 compliance and on food and potable water status for 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	3.0	g / 10 min
Density	ASTM D1505	0.938	g / cm <sup>3</sup>
ESCR (100% Igepal, condition A)	ASTM D1693	> 1000	hrs
Tensile Strength @ Yield <sup>3</sup>	ASTM D 638	19.5	MPa
Flexural Modulus (1% secant)	ASTM D790	800	MPa
Hydrostatic Design Base (23°C) <sup>4</sup>	ASTM D2837	8.62	MPa

<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

<sup>4</sup> Value must be derated for service temperatures above 23°C

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.