

Microtuff® 6550 UV

Microtuff® 6550 UV is a hexene copolymer, rotational moulding polyethylene based on a metallocene base resin. It offers a combination of stiffness and good mouldability.

All stabilisers and pigments contained in this grade are specially chosen to withstand the demanding processing conditions experienced in rotational moulding.

Microtuff® 6550 UV is fully UV stabilised for use in long term outdoor applications.

In natural, this grade has been tested to ECE R34, Part 1 and has been approved by the TUV for use in rotationally moulded diesel fuel tanks⁶.

Applications: Kayaks, agricultural tanks, materials handling, playground equipment, diesel tanks.

Physical Properties ¹			
Property	Test method	Value ²	Unit
Melt Flow Index _{190°C, 2.16 kg}	ASTM D1238	5.0	g / 10 min
Density	ASTM D1505	0.941	g / cm ³
Tensile Strength @ Yield ³	ASTM D 638	19.6	MPa
Flexural Modulus (1% secant) ⁴	ASTM D790	830	MPa
ESCR (100% Igepal, condition A)	ASTM D1693	> 1000	hrs
UV stabilisation	ASTM D2565	UV 9 ⁵	--

¹ Base resin properties as stated by the raw material manufacturer for virgin material.

² Typical values only – not to be construed as specifications

³ At 50 mm/min crosshead speed

⁴ At 2.8mm crosshead speed

⁵ Tested to 9,000 hrs in weather-o-meter

⁶ This is an approval to a European regulation for vehicle fuel tanks. Additional testing and approvals may be required depending on type, use and also colour of your product.

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.