MicroTuff POLYMERS

Price Plastics Pty Ltd
A.C.N. 062 778 447

Technical Data Sheet

Microtuff® 6200 UV

Microtuff® 6200 UV is a hexene copolymer, medium density polyethylene powder designed for rotational moulding applications. All stabilisers and pigments contained in this grade were specifically selected to cope with the demanding processing conditions experienced in rotational moulding.

Microtuff® 6200 UV offers a high ESCR and high chemical resistance combined with good flow and impact properties. It is fully UV stabilised and complies with AS4766:2006.

Microtuff® 6200 UV is ideally suited for a wide range of rotational moulding applications, including water tanks, industrial waste containers, materials handling and marine equipment.

Microtuff® 6200 UV in natural and tank colours meets the requirements of AS2070 for food contact and AS/NZS4020 for potable water applications. End use, volume and food type restrictions may apply. All pigments used in tank colours are free of heavy metals. For Food and potable water status on other colours please contact your Price Plastics representative.

Physical Properties[1]			
Property	Test method	Value[2]	Unit
Melt Flow Index 190 °C, 2.16 kg	ASTM D 1238	3.0	g / 10 min
Density	ASTM D 1505	0.939	g / cm^3
ESCR (100% Igepal, condition A)	ASTM D 1693	> 1000	hrs
Tensile Strength @ Yield[3]	ASTM D 638	17	MPa
Flexural Modulus (2% secant)	ASTM D 790	660	MPa
Impact strength @ -40°C	ARM method		
	3.2 mm	95	J
	6.35 mm	237	J
Hydrostatic Design Base (23°C)[4]	ASTM D 2837	8.62	MPa

[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 50.8 mm/min crosshead speed
[4] Value must be derated for service temperatures above 23°C

Last revised: April 2010