



# PETRONAS ETILINAS TRIMOD HDPE BLOW MOULDING

PETRONAS CHEMICALS GROUP BERHAD  
CHEMISTRY FOR GROWTH

# PETRONAS ETILINAS TRIMOD HDPE BLOW MOULDING

is a high molecular weight multi-modal resin with 1-butene copolymer. The grades are produced using state of the art, latest generation Hostalen ACP slurry process technology with the newest proprietary catalyst system. It is suitable for blow moulding applications of various sizes.

Delivers complete solutions for your rigid packaging needs.

## Product Properties

SEGMENTS	GRADES	MFR <sub>5</sub> (g/10min)	MFR <sub>21.6</sub> (g/10min)	DENSITY (kg/m <sup>3</sup> )	APPLICATIONS
Large	AMT5431B	-	2.5	954	L-Ring drums and open top drums for dangerous goods, UN rated containers
Medium	AMT5331B	-	6.5	952	Large jerrycans and open top drums for industrial and household chemicals
	AMT5531B	0.1	9.5	952	Jerrycans and medium sized bottles for industrial and household chemicals
Small	AMT5231B	1.2	19	950	Small and medium sized bottles for personal care, lubricants, detergents, toiletries, pharmaceuticals
	AMT5831B	1.2	22	958	Thin wall bottle of small and medium sized bottles for personal care, lubricants, detergents, toiletries, pharmaceuticals

## Key Benefits

PRODUCTS	KEY BENEFITS	COMPARISON
Small & Medium Bottle	<p>AMT5831B, AMT5231B and AMT5531B was designed for small and medium sized bottle applications with the following advantages:</p> <ul style="list-style-type: none"> <li>• High toughness</li> <li>• Superior rigidity with potential downgauging</li> <li>• Excellent Environmental Stress Crack Resistance (ESCR)</li> <li>• Good organoleptic properties</li> <li>• Excellent product stability against oxidation</li> <li>• Lower processing temperature</li> </ul>	<p>Legend: AMT5831B (solid blue), AMT5231B (dotted green), Competitive HDPE (dashed red), Unimodal (solid red)</p>
Large Bottle & Drum	<p>AMT5331B and AMT5431B are designed for large blow moulding drum containers with the following advantages:</p> <ul style="list-style-type: none"> <li>• Excellent hydrostatic pressure resistance with potential thickness reduction</li> <li>• Superior impact strength</li> <li>• Excellent rigidity</li> <li>• Excellent thermal oxidation stability</li> <li>• Good Environmental Stress Crack Resistance (ESCR)</li> <li>• Good chemical resistance properties</li> </ul>	<p>Legend: AMT5431B (solid blue), Competitive HDPE (dashed red), Unimodal (solid red)</p>

## Product Applications

