



## TECHNICAL DATASHEET

### HDPE M80064

#### PRODUCT DESCRIPTION

HDPE M80064 is a high density polyethylene injection moulding grade with a narrow molecular weight distribution. It is intended for use in injection moulding applications where rigidity, toughness and warp resistance are required. HDPE M80064 is available with UV stabilizer as HDPE M80064S.

#### TRPICAL APPLICATION

HDPE M80064 is designed to suit the manufacture of injection moulded cases, crates, trays, industrial pails and other similar items requiring toughness and rigidity

#### TYPICAL DATA

Properties	Units SI	Values	Test methods
<b>Polymer properties</b>			
<b>Melt flow rate (MFR)</b> at 190 °C and 2.16 kg	g/10 min	<b>8.0</b>	ASTM D 1238
<b>Density</b> <sup>1)</sup>	kg/m <sup>3</sup>	<b>964</b>	ASTM D 1505
<b>Mechanical properties</b> <sup>1)</sup>			
<b>Tensile test</b>			ASTM D 638
stress at yield	MPa	<b>33</b>	
stress at break	MPa	<b>15</b>	
strain at break	%	<b>650</b>	
secant modulus at 1% elongation	MPa	<b>1240</b>	
<b>Izod impact notched at 23 °C</b>	J/m	<b>48</b>	ASTM D 256
<b>Hardness Shore D</b>	-	<b>69</b>	ASTM D 2240
<b>ESCR (100% Igepal), F50</b>	h	<b>3</b>	ASTM D 1693B
<b>Thermal properties</b> <sup>1)</sup>			
<b>Vicat softening temperature</b> at 10 N (VST/A)	°C	<b>128</b>	ASTM D 1525