

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