

TECHNICAL DATASHEET

HDPE QB6522

PRODUCT DESCRIPTION

QB6522 is a narrow molecular weight distribution hexene-copolymer used in the manufacture of open head pails and covers.

TYPICAL PROPERTIES	ENGLISH		SI		TEST METHOD
	UNIT	VALUE	UNIT	VALUE	
Physical					
Melt Flow Rate, (190 °C/2.16 kg)	g/10 min	6.6	g/10 min	6.6	ASTM D1238
Density (23 °C)	g/cm³	0.952	g/cm³	0.952	ASTM D1505
Spiral Flow	in	8.5	cm	21.6	Producer Method
Mechanical					
Flexural Modulus, (1% Secant)	psi	188000	MPa	1300	ASTM D790
Flexural Modulus, (2% Secant)	psi	158000	MPa	1090	ASTM D790
Flexural Young's Modulus	psi	224000	MPa	1550	ASTM D790
Tensile Stress at Break, (23 °C)	psi	3300	MPa	23	ASTM D638
Tensile Stress at Yield, (23 °C)	psi	3980	MPa	27	ASTM D638
Tensile Elongation at Break, (23 °C)	%	1200	%	1200	ASTM D638
Tensile Elongation at Yield, (23 °C)	%	9	%	9	ASTM D638
Impact					
Notched Izod Impact Strength, (23 °C)	ft-lb/in	1.2	J/m	64	ASTM D256
Hardness					
Shore Hardness, (Shore D, max)		65		65	ASTM D2240
Thermal					
Vicat Softening Temperature	°F	255	°C	124	ASTM D1525
Low Temperature Brittleness, F ₅₀	°F	<-98	°C	<-72	ASTM D746
Deflection Temperature Under Load, (66 psi, Unannealed)	°F	153	°C	67	ASTM D648
Melting Temperature	°F	264	°C	129	ASTM D3418
Crystallization Temperature	°F	246	°C	119	ASTM D3418

Notes: These are typical property values not to be construed as specification limits.

HIGH DENSITY
POLYETHYLENE
QB6522

QualiteneTM

ENABLING A SUSTAINABLE FUTURE

APPLICATION:

Containers; Pails

PROCESSING METHOD:

Injection Moulding

PROCESSING TECHNIQUES:

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

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