

Qapco

MDPE

Q TR-131

Product information

Manufacturer	Qatar Petrochemical Company (QAPCO) QSC
Color	NC
Material Shape	Pellets
Polymer	Copolymer
Molecular Weight	High Molecular Weight
Material Attribute	Food Contact grade C6
Features	Good resistance to tear propagationHigh impactHigh toughnessHexene comonomer
Application	Produce bagsShopping bagTrash bag

Mechanical behavior	Condition	Standard	Value	Unit
Elmendorf	Tear Strength Flow 25µm Blown Film	ASTM D1922	30	g
Elmendorf	Tear Strength xFlow 25µm Blown Film	ASTM D1922	350	g
Elongation	Flow Break 50mm/min 25µm Blown Film	ASTM D882	500	%
Elongation	xFlow Break 50mm/min 25µm Blown Film	ASTM D882	660	%
Falling	Weight Impact Strength Method A 25µm Blown Film	ASTM D1709	165	g
Flexural	Modulus Tangent	ASTM D790	760	MPa
Spencer	Impact Strength 25µm Blown Film	ASTM D3420	0.35	J
Tensile	Strength Flow Yield 50mm/min 25µm Blown Film	ASTM D882	21	MPa
Tensile	Strength xFlow Yield 50mm/min 25µm Blown Film	ASTM D882	23	MPa

Physical property	Condition	Standard	Value	Unit
Density		ASTM D792	0.938	g/cm ³
Melt	Index 190°C 2.16kg	ASTM D1238	0.2	g/10min
Melt	Index 190°C 21.6kg	ASTM D1238	15	g/10min

Thermal	Condition	Standard	Value	Unit
Low	Temperature Brittleness	ASTM D746	-75.0	°C