

# Qapco

## HDPE

### Q TR-571

Product information				
Manufacturer	Qatar Petrochemical Company (QAPCO) QSC			
Color	NC			
Material Shape	Pellets			
Process	Injection molding			
Molecular Weight	High Molecular Weight			
Material Attribute	Food Contact grade			
Hardness	Condition	Standard	Value	Unit
Shore	Hardness D	ASTM D2240	63	
Mechanical behavior	Condition	Standard	Value	Unit
Elongation	Break 50mm/min	ASTM D638	600	%
Flexural	Modulus Tangent	ASTM D790	1300	MPa
Tensile	Strength Yield 50mm/min	ASTM D638	27	MPa
Physical property	Condition	Standard	Value	Unit
Density		ASTM D792	0.953	g/cm <sup>3</sup>
Environmental	Stress Crack Resistance F50 100%Igepal Condition B	ASTM D1693	300	hr
Melt	Index 190°C 2.16kg	ASTM D1238	0.02	g/10min
Melt	Index 190°C 5kg	ASTM D1238	0.14	g/10min
Melt	Index 190°C 21.6kg	ASTM D1238	2.5	g/10min
Thermal	Condition	Standard	Value	Unit
Low	Temperature Brittleness	ASTM D746	-75.0	°C