

**DuClear® QU 80 A**

PP

Ducor Petrochemicals BV

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	<b>40</b>	g/10min	ISO 1133
Temperature	<b>230</b>	°C	-
Load	<b>2.16</b>	kg	-

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	<b>1100</b>	MPa	ISO 527
Yield stress	<b>28</b>	MPa	ISO 527
Yield strain	<b>12</b>	%	ISO 527
Strain at break	<b>&gt;50</b>	%	ISO 527
Charpy impact strength, +23°C	<b>180</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	<b>5</b>	kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength, +23°C	<b>4.5</b>	kJ/m <sup>2</sup>	ISO 180/1A
Izod notched impact strength	<b>2</b>	kJ/m <sup>2</sup>	ISO 180/1A
Temperature	<b>0</b>	°C	-

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Melting temperature, 10°C/min	<b>151</b>	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	<b>50</b>	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	<b>75</b>	°C	ISO 75-1/-2
Vicat softening temperature, A	<b>130</b>	°C	ISO 306
Vicat softening temperature, B	<b>72</b>	°C	ISO 306

Optical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Haze	<b>8</b>	%	ASTM D 1003

Other properties	Value	Unit	Test Standard
Density	<b>910</b>	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Processing**

Injection Molding

**Delivery form**

Pellets

**Special Characteristics**

Anti-static, Transparent

**Features**

Low Odor, Copolymer, Random Copolymer

**Certifications**

Food contact, Food approval 1935/2004/EC, Food approval FDA 21 CFR

**Applications**

Packaging

**Regional Availability**

Europe, Asia Pacific, Near East/Africa