

**Pearlbond™ 12F75UV**

TPU

Lubrizol Advanced Materials Spain S.L.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	<b>52</b>	g/10min	ISO 1133
Temperature	<b>190</b>	°C	-
Load	<b>10</b>	kg	-

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Strength	<b>30</b>	MPa	ISO 527
Stress at 100% elongation	<b>4</b>	MPa	ISO 527
Stress at 300% elongation	<b>21</b>	MPa	ISO 527
Strain at break TPE	<b>525</b>	%	ISO 527
Shore A hardness	<b>78</b>	-	ISO 7619-1

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Melting temperature, 10°C/min	<b>135</b>	°C	ISO 11357-1/-3

Other properties	Value	Unit	Test Standard
Density	<b>1150</b>	kg/m <sup>3</sup>	ISO 1183

Processing Recommendation Extrusion	Value	Unit	Test Standard
Type of extrusion	<b>film</b>	-	-
Pre-drying - Temperature	<b>90 - 105</b>	°C	-
Pre-drying - Time	<b>1 - 2</b>	h	-
Zone 1	<b>145 - 155</b>	°C	-
Zone 2	<b>155 - 165</b>	°C	-
Zone 3	<b>165 - 170</b>	°C	-
Zone 4	<b>170 - 180</b>	°C	-
Nozzle temperature	<b>170 - 180</b>	°C	-

**Characteristics****Processing**

Blown Film Extrusion, Film Extrusion

**Delivery form**

Pellets

**Special Characteristics**

U.V. stabilized or stable to weather, Heat stabilized or stable to heat, Translucent

**Features**

Good Adhesion, Low Gel

**Regional Availability**

North America, Europe