

**Estane® 91F65D**

TPU

Lubrizol Advanced Materials Spain S.L.

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Strength	<b>30</b>	MPa	ISO 527
Strain at break	<b>&gt;50</b>	%	ISO 527
Stress at 100% elongation	<b>16</b>	MPa	ISO 527
Stress at 300% elongation	<b>75</b>	MPa	ISO 527
Abrasion resistance	<b>40</b>	mm <sup>3</sup>	ISO 4649
Shore D hardness	<b>65</b>	-	ISO 7619-1
<b>ASTM Data</b>			
Tensile Strength	<b>30</b>	MPa	ASTM D 638
Elongation at Break	<b>372</b>	%	ASTM D 638
Modulus at 100% Elongation	<b>16</b>	MPa	ASTM D 412
Modulus at 300% Elongation	<b>25</b>	MPa	ASTM D 412
Shore D Hardness	<b>65</b>	-	ASTM D 2240
<b>Thermal properties</b>			
<b>ISO Data</b>			
Melting temperature, 10°C/min	<b>145</b>	°C	ISO 11357-1/-3
<b>Other properties</b>			
<b>Value</b>			
Density	<b>1110</b>	kg/m <sup>3</sup>	ISO 1183
Moisture Content	<b>0.1</b>	%	-

**Characteristics****Processing**

Film Extrusion, Other Extrusion

**Delivery form**

Pellets, Natural Color

**Special Characteristics**

U.V. stabilized or stable to weather, Transparent

**Features**

Color Stability

**Applications**

Automotive

**Regional Availability**

North America, Europe