


**Arnitel® PL460-S - Shore 60 D**

TPC FR(17)

DSM Engineering Plastics

**Product Texts**

Injection Molding, Flame Retardant

ISO 18064 TPC-ET FR(17)

[Arnitel website](#)
**Rheological properties**

	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt volume-flow rate, MVR	18	cm³/10min	ISO 1133
Temperature	230	°C	ISO 1133
Load	2.16	kg	ISO 1133

**Mechanical properties**

	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	240	MPa	ISO 527-1/-2
Charpy notched impact strength (+23°C)	60	kJ/m²	ISO 179/1eA
Charpy notched impact strength, -30°C	22	kJ/m²	ISO 179/1eA
Stress at 10% elongation	10.6	MPa	ISO 527-1/-2
Stress at 100% elongation	16.1	MPa	ISO 527-1/-2
Stress at break TPE	21.3	MPa	ISO 527-1/-2

**Thermal properties**

	Value	Unit	Test Standard
<b>ISO Data</b>			
Melting temperature (10°C/min)	220	°C	ISO 11357-1/-3
Burning behav. at 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	1.5	mm	IEC 60695-11-10
UL recognition	UL	-	-

**Electrical properties**

	Value	Unit	Test Standard
<b>ISO Data</b>			
Relative permittivity, 100Hz	5.3	-	IEC 60250
Relative permittivity, 1MHz	4.8	-	IEC 60250

**Other properties**

	Value	Unit	Test Standard
<b>ISO Data</b>			
Water absorption	3.5	%	Sim. to ISO 62
Humidity absorption	0.4	%	Sim. to ISO 62
Density	1410	kg/m³	ISO 1183

**Characteristics**
**Processing**

Injection Molding

**Special Characteristics**

Flame retardant

**Delivery form**

Pellets

**Other text information**
**Injection Molding**
[Injection Molding Recommendations](#)