



<b>Arnitel® PL460-S - Shore 60 D</b>			
TPC FR(17)		DSM Engineering Plastics	
<b>Product Texts</b>			
Injection Molding, Flame Retardant			
ISO 18064 TPC-ET FR(17)			
<b>Rheological properties</b>			
	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melt volume-flow rate, MVR	18	cm <sup>3</sup> /10min	ISO 1133
Temperature	230	°C	ISO 1133
Load	2.16	kg	ISO 1133
<b>Mechanical properties</b>			
	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	240	MPa	ISO 527-1/-2
Charpy notched impact strength (+23°C)	60	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	22	kJ/m <sup>2</sup>	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
<b>Thermal properties</b>			
	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<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	-	-
<b>Electrical properties</b>			
	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Relative permittivity, 100Hz	5.3	-	IEC 60250
Relative permittivity, 1MHz	4.8	-	IEC 60250
<b>Other properties</b>			
	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Water absorption	3.5	%	Sim. to ISO 62
Humidity absorption	0.4	%	Sim. to ISO 62
Density	1410	kg/m <sup>3</sup>	ISO 1183
<b>Characteristics</b>			
<b>Processing</b>		<b>Special Characteristics</b>	
Injection Molding		Flame retardant	
<b>Delivery form</b>			
Pellets			
<b>Other text information</b>			
<b>Injection Molding</b>			
<a href="#">Injection Molding Recommendations</a>			