

**POLYFLAM® RPP 1275**

PP-T20 FR(17+72)

LyondellBasell Industries

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Melt volume-flow rate, MVR	8	cm <sup>3</sup> /10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-
<b>ASTM Data</b>			
Mold Shrinkage, MD	0.012	mm/mm	ASTM D 955

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Tensile Modulus	3000	MPa	ISO 527
<sup>[C]</sup> Yield stress	26.2	MPa	ISO 527
<sup>[C]</sup> Yield strain	2.5	%	ISO 527
<sup>[C]</sup> Charpy impact strength, +23°C	25	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy impact strength, -30°C	10	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy notched impact strength, +23°C	2	kJ/m <sup>2</sup>	ISO 179/1eA
<sup>[C]</sup> Charpy notched impact strength, -30°C	2	kJ/m <sup>2</sup>	ISO 179/1eA
<b>ASTM Data</b>			
Tensile Strength at Yield	28	MPa	ASTM D 638
Tensile Strength at Break	26	MPa	ASTM D 638
Flexural Modulus	3000	MPa	ASTM D 790
Flexural Strength	45	MPa	ASTM D 790
Izod Impact notched, 1/8 in	38.4	J/m	ASTM D 256

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Temp. of deflection under load, 1.80 MPa	65	°C	ISO 75-1/-2
<sup>[C]</sup> Temp. of deflection under load, 0.45 MPa	115	°C	ISO 75-1/-2
<sup>[C]</sup> Vicat softening temperature, B	85	°C	ISO 306
<sup>[C]</sup> Burning Behav. at 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	1.6	mm	-
Yellow Card available	yes	-	-
<sup>[C]</sup> Burning Behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	0.8	mm	-
Yellow Card available	yes	-	-
<b>ASTM Data</b>			
DTUL @ 66 psi	120	°C	ASTM D 648
DTUL @ 264 psi	65	°C	ASTM D 648

[C]: CAMPUS

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Comparative tracking index	600	-	IEC 60112

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
<sup>[C]</sup> Density	1420	kg/m <sup>3</sup>	ISO 1183
Density	1390	kg/m <sup>3</sup>	ASTM D 792

[C]: CAMPUS

**Characteristics****Processing**

Injection Molding

**Features**

Homopolymer

**Special Characteristics**

Flame retardant

**Regional Availability**

North America, Europe, Asia Pacific, South and Central America,  
Near East/Africa