

Product Texts

Halogen-free flame retardant high impact ABS-PC blend

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
^[C] Melt volume-flow rate, MVR	28	cm ³ /10min	ISO 1133
Temperature	260	°C	-
Load	5	kg	-

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	2400	MPa	ISO 527
^[C] Yield stress	63	MPa	ISO 527
^[C] Yield strain	5	%	ISO 527
^[C] Charpy impact strength, +23°C	N	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	N	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	63	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	21	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
^[C] Temp. of deflection under load, 1.80 MPa	95	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	103	°C	ISO 75-1/-2
^[C] Vicat softening temperature, B	110	°C	ISO 306
^[C] Burning Behav. at 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Yellow Card available	yes	-	-
^[C] Burning Behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Yellow Card available	yes	-	-
^[C] Burning Behav. 5V at thickness h	5VA	class	IEC 60695-11-20
Thickness tested	3.5	mm	-
Yellow Card available	yes	-	-

[C]: CAMPUS

Electrical properties	Value	Unit	Test Standard
ISO Data			
^[C] Comparative tracking index	225	-	IEC 60112

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
^[C] Density	1180	kg/m ³	ISO 1183

[C]: CAMPUS

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	3 - 6	h	-
Melt temperature	230 - 270	°C	-
Mold temperature	40 - 80	°C	-

Characteristics

POLYFLAM® RMMB 40400

(PC+ABS)...

LyondellBasell Industries

Processing

Injection Molding

Special Characteristics

Flame retardant

Delivery form

Granules

Regional AvailabilityNorth America, Europe, Asia Pacific, South and Central America,
Near East/Africa**Additives**

Release agent

Other text information**Injection molding**PREPROCESSING; **Pretreatment**

Predrying: 3-6h / 80°C

PROCESSING ;Processing:

Melttemperature	230 - 270	°C
Mouldtemperature	40 - 80	°C