

High Temperature Tag

The High Temperature tag is based on reinforced Polymer (S RP) with crystalline structure. This product is intended for applications asking for a big mechanical resistance, for a high thermal and chemical quality, for a very big dimensional stability and for good quality in fire.

Mechanical characteristics:

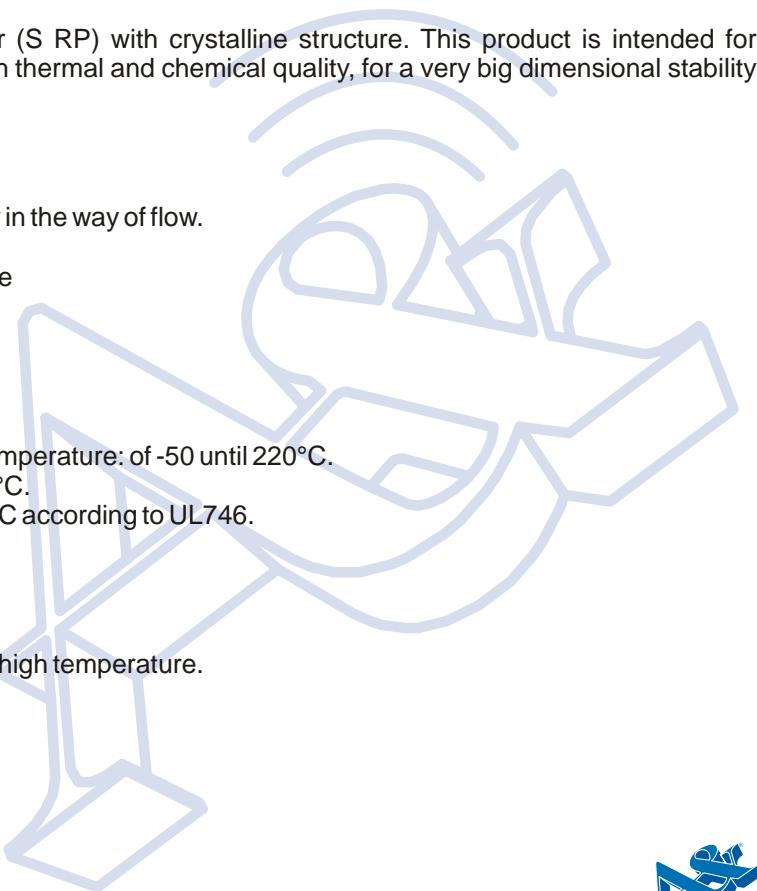
- High rigidity of 10000MPa
- Very strong resistance in traction, flexion inflection especially in the way of flow.
- Very good quality at cold flow as well as hot flow (till 200°C)
- Strong resistance in shocks kept even in very low temperature
- Permeability in microwaves.
- Very big dielectric rigidity: 36 - 50 kV / mm

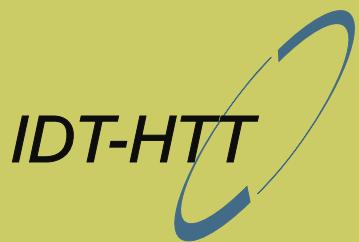
Thermal characteristics:

- High melting point (from 280 to 355°C)
- The mechanical features are kept on a very broad range of temperature: of -50 until 220°C. the grade uncharged keep their resistance to shock until - 150°C.
- Very good quality in long continued temperature : 220 in 240°C according to UL746.
- Very good quality in fire: UL94 V0 and ILO from 35-50%.

Chemical characteristics:

- Very low resumption of humidity (0.04 %)
- Very good resistance to solvents, oils and lubricants, even at high temperature.
- Very low discharge of smokes: aircraft capabilities





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Technical specification:

FEATURES	NATURAL	+ 30% fv	+ 50% fv	+30% mineral	Unit
Mechanical					
Pressure maxi (E or R):	156	188	165	148	Mpa
Lengthening maxi (E or R):	2,6	2,1	1,1	1,6	1,6 mm
Module of resiliency:	10400	15000	21000	14200	Mpa
Resistance in shock:	39	20	12	NC	KJ/m ²
Thermo					
TFC a 0,45 Mpa:	222	254	251	235	°C
TFC a 1,85 Mpa:	180	230	232	230	°C
Vitreous transition:	-	-	-	-	°C
Coefficient of dilatation:	-5,10	-5,10	-5,10	NC	K
Other					
Transverse resistivity:	10	10	6.10	NC	? .Cm
Dielectric rigidity:	7	50	36	NC	KV/mm
Absorption of water:	0,03	0,04	0,04	0,03	%
Density:	1,4	1,6	1,8	NC	G/cm ³

Time / Temperature

Time (in minutes)

