



Arylmax[®] K7522CF30

Polyaryletherketone, Easy Flow, 30% carbon filled

General	ASTM No.	US Value	SI Unit
Form	---	Pellets	Pellets
Specific Gravity	D792	1.4	1.4
Water Absorption (24hr. @ 23 °C, %)	D570	0.04%	0.04%
Linear Mold Shrinkage, in/in	D955	0.001	0.001
<u>Mechanical</u>			
Tensile Strength	D638	36 kpsi	248 MPa
Tensile Modulus	D638	4 Mpsi	28 GPa
Elongation (Break), %	D638	1.2%	1.2
Flexural Strength	D790	56 kpsi	368 MPa
Flexural Modulus	D790	3.5 Mpsi	24 GPa
Izod, Notched, ft-lb/in @ 1/8"	D256	1.05	0.05 J/cm
Hardness, Rockwell M	D2240	100	100
<u>Thermal</u>			
Melting Point, °F	D3418	665	352 °C
Tg °F	D3418	340	171 °C
CLTE, linear μin/in - °F (<Tg)	D696	20	36 μ m/m - °C
Thermal Conductivity, BTU-In/Hr-ft²-°F	F443/C177	1.7	0.25 W/m-K
HDT@ 264 psi, °F	D648	610	321 °C
<u>Electrical</u>			
Volume Resistivity ohm/cm	D257	19.7 Ω in	50 Ω cm
Surface Resistivity ohm/sq	D257	19.7 Ω in	50 Ω cm

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