

Vydyne® 64C-R

polyamide 66



Vydyne 64C-R is a medium-viscosity PA66 resin suitable for injection-molding, extrusion and compounding applications. It is available in natural color only. 64C-R resin offers high strength, rigidity and toughness over a broad range of demanding applications and good fluid resistance to a wide variety of chemicals, solvents and oils.

General

Regional Availability	• North America	• Europe	• Asia Pacific
Features	• Chemical Resistant • High Melt Strength • Medium Viscosity	• General Purpose • High Rigidity • Oil Resistant	• Good Toughness • High Strength • Solvent Resistant
Agency Rating	• ASTM, D6779 PA0112 • ASTM, D4066 PA0112	• EC, 1935/2004 • EU, 2023/2006	• EU, 10/2011
UL File Number	• E70062		
Appearance	• Natural Color		
Forms	• Pellets		
Processing Method	• Other Extrusion		

Physical	dry	cond.	Unit	Test Standard
Density	1.14	-	g/cm ³	ISO 1183
Water Absorption Equilibrium, 23°C, 50% RH	2.5	*	%	ISO 62
Water Absorption, Saturation, 23°C	8.5		%	ISO 62

Thermal	dry	cond.	Unit	Test Standard
Melting Temperature	260	*	°C	ISO 11357-3
CLTE				ISO 11359-2
Flow : 23 to 55°C, 2.00 mm	100	*	E-6/K	
Transverse : 23 to 55°C, 2.00 mm	100	*	E-6/K	
RTI Elec				UL 746
1.50 mm	130		°C	
3.00 mm	130		°C	
RTI Imp				UL 746
1.50mm	75		°C	
3.00 mm	75		°C	
RTI Str				UL 746
1.50 mm	85		°C	
3.00 mm	85		°C	

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Electrical	dry	cond.	Unit	Test Standard
Volume Resistivity (1.00 mm)	1E12	-	Ohm*m	IEC 60093
Dielectric Strength (1.00 mm)	23	-	kV/mm	IEC 60243
Arc Resistance (3.00 mm)	6	-	-	ASTM D 495
Comparative Tracking Index (3.00 mm)	600	-	V	IEC 60112
High Amp Arc Ignition (HAI)				UL 746
1.50 mm	PLC 0	-	-	
3.00 mm	PLC 0	-	-	
High Voltage Arc Tracking Rate (HVTR), 3.00 mm	PLC 0	-	-	UL 746
Hot-wire Ignition (HWI)				UL 746
1.50 mm	PLC 4	-	-	
3.00 mm	PLC 3	-	-	
Flammability	Value		Unit	Test Standard
Flammability				UL 94
1.50 mm	V-2	-	-	
3.00 mm	V-2	-	-	
Glow Wire Flammability Index				IEC 60695-2-12
1.50 mm	800	°C	°C	
3.00 mm	850	°C	°C	
Glow Wire Ignition Temperature				IEC 60695-2-13
1.50 mm	700	°C	°C	
3.00 mm	700	°C	°C	
Extrusion	Value		Unit	
Cylinder Zone 1 Temp	250 - 295		°C	
Cylinder Zone 2 Temp	250 - 295		°C	
Cylinder Zone 3 Temp	250 - 295		°C	
Cylinder Zone 4 Temp	250 - 295		°C	
Cylinder Zone 5 Temp	250 - 295		°C	
Melt temperature	270 - 295		°C	
Die temperature	270 - 295		°C	

