

Delrin® 127UVE RD402

ACETAL RESIN

DuPont Performance Polymers

Message:

UV Stabilized High Viscosity Acetal Homopolymer with Very Low Emissions

General Information			
Additive	Mold Release		
	UV Stabilizer		
Uses	Profiles		
	Sheet		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
	Profile Extrusion		
	Sheet Extrusion		
Part Marking Code (ISO 11469)	>POM<		
Resin ID (ISO 1043)	POM		
Physical	Nominal Value	Unit	Test Method
Density	1.42	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.5	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (190°C/2.16 kg)	2.10	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2900	MPa	ISO 527-2
Tensile Stress (Yield)	71.5	MPa	ISO 527-2
Tensile Strain (Yield)	28	%	ISO 527-2
Nominal Tensile Strain at Break	50	%	ISO 527-2
Flexural Modulus	2800	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	14	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	94.0	°C	ISO 75-2/A
Melting Temperature ¹	178	°C	ISO 11357-3
Additional Information	Nominal Value	Unit	Test Method

Emission	< 2.00	mg/kg	VDA 275
NOTE			

1. 10°C/min

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