

DynaMix™ PD1801-BLK

Acetal (POM) Copolymer

Polymer Dynamix

Message:

Black UV Stabilized Acetal
Features:
Excellent Chemical Resistance
Good Dimensional Stability
Excellent Processability
Durable
Applications:
Automotive
Industrial

General Information			
Additive	UV Stabilizer		
Features	Good Chemical Resistance		
	Good Dimensional Stability		
	Good Processability		
	Good UV Resistance		
Uses	Automotive Applications		
	Industrial Applications		
Appearance	Black		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.42	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (265°C/5.0 kg)	17	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	68.3	MPa	
Break	66.2	MPa	
Tensile Elongation			ASTM D638
Yield	14	%	
Break	30	%	
Flexural Modulus	2930	MPa	ASTM D790
Flexural Strength	103	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	69	J/m	ASTM D256
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	2.0 to 4.0	hr	

Rear Temperature	199 to 210	°C
Middle Temperature	204 to 216	°C
Front Temperature	210 to 221	°C
Nozzle Temperature	210 to 221	°C
Processing (Melt) Temp	210 to 221	°C
Mold Temperature	79.4 to 98.9	°C
Injection Rate	Moderate	
Screw Speed	40 to 70	rpm
Clamp Tonnage	4.1 to 6.9	kN/cm ²

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

