



Hostaform® LW15EWX

Celanese Corporation - Acetal (POM) Copolymer

Saturday, November 2, 2019

General Information

Product Description

Hostaform® LW15EWX is a specialty low wear grade of acetal copolymer designed for improved performance including when paired against other thermoplastic resins (PBT, PA, PC, PMMA) or steel. Due to the special wax blend the material has a good weld line strength. Compared to Hostaform® LW90EWX this grade has higher toughness and strength.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Good Strength	• Good Toughness	• Wear Resistant
RoHS Compliance	• Contact Manufacturer		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.40	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (190°C/2.16 kg)	2.50	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	384000	psi	ISO 527-2/1A
Tensile Stress (Yield)	9140	psi	ISO 527-2/1A/50
Tensile Strain (Yield)	19	%	ISO 527-2/1A/50
Nominal Tensile Strain at Break	32	%	ISO 527-2/1A/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-22°F	5.2	ft-lb/in ²	
73°F	6.7	ft-lb/in ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (264 psi, Unannealed)	199	°F	ISO 75-2/A
Melting Temperature ²	343	°F	ISO 11357-3

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	212 to 248	°F
Drying Time	3.0 to 4.0	hr
Rear Temperature	374 to 392	°F
Middle Temperature	374 to 410	°F
Front Temperature	374 to 419	°F
Nozzle Temperature	374 to 428	°F
Processing (Melt) Temp	401 to 428	°F
Mold Temperature	194 to 248	°F
Injection Rate	Slow	
Back Pressure	< 580	psi

Injection Notes

Zone4 temperature: 190 to 220°C
Hot runner temperature: 190 to 220°C

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Notes

¹ Typical properties: these are not to be construed as specifications.

² 10°C/min
